

ORDER NO.ODSD000701C5
B12

DVD Player

DVD-A7 / DVD-A10

Areas

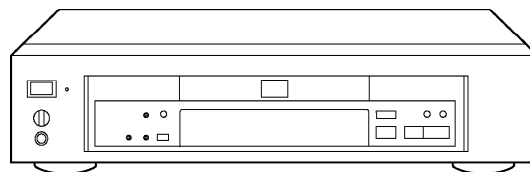
D.....U.S.A. and Canada. (A7 only)

PP.....U.S.A. and Canada. (A10 only)

EB.....Great Britain.

**EC.....Italy, Spain, Switzerland and North Europe, etc. (A7
only)**

EG.....Germany and Poland, etc. (A10 only)



SPECIFICATIONS

Specifications

● General

Power requirements:	AC 120 V, 60 Hz
Power consumption:	22 W: DVD-A7 / 26W: DVD-A10 / (STANDBY mode: 1.5W)
Dimensions:	430 (W)×275 (D)×99 (H): DVD-A7 / 430 (W)×275 (D)×125 (H): DVD-A10 (excluding protrusions)
Mass:	3.9 kg: DVD-A7 / 8.6 kg: DVD-A10
Signal system:	NTSC
Operating temperature range:	+5 to +35°C
Operating humidity range:	5-90 % RH (no condensation)

● Discs played

- (1) DVD-Video disc:
 - 12 cm single-sided, single-layer
 - 12 cm single-sided, dual-layer
 - 12 cm double-sided, single-layer
 - 8 cm single-sided, single-layer
 - 8 cm single-sided, dual-layer
 - 8 cm double-sided, single-layer
- (2) Compact disc (CD-DA, Video CD):
 - 12 cm disc
 - 8 cm disc

● Video output

Output level:	1 Vp-p (75 Ω)
Output terminal:	Pin jack (2 systems)

● S video output

Y output level:	1 Vp-p (75 Ω)
C output level:	0.286 Vp-p (75 Ω)
Output terminal:	S terminal (2 systems)

● Component video output

Output connector:	Pin jack / (Y: green, PB : blue, PR : red)
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● Audio output

Output level:	200 mVrms (10 kHz, -20 dB)
Output terminal:	
2ch mixed output (L/R):	Pin jack (2 systems)
6ch discrete output:	Pin jack (1 system)

● Audio signal output characteristics

- (1) Frequency response:
 - DVD audio: 2 Hz-88 kHz
 - DVD video: 2 Hz-44 kHz
 - CD: 2 Hz-20 kHz (EIAJ)
- (2) S/N ratio:
 - CD: 115 dB (EIAJ)
- (3) Dynamic range:

● DVD (LPCM):	106 dB: DVD-A7
	108 dB: DVD-A10
● CD:	100 dB (EIAJ)
(4) Total harmonic distortion:	
● DVD (LPCM):	0.0012 %
● CD:	0.0017 % (EIAJ)
● Digital audio output	
Optical digital output:	Optical terminal
Coaxial audio output:	Pin jack
● Phones jack	
Output connector:	6.3 mm stereo jack
Output level:	180 mVrms (32 Ω , -20 dB)
● Pickup	
Wave length:	665 nm
Laser power:	CLASS 2

Notes:

Specifications are subject to change without notice.

Mass and dimensions are approximate.

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Panasonic

1. SAFETY PRECAUTIONS

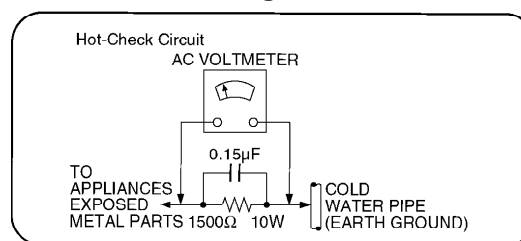
1.1. GENERAL GUIDELINES

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. LEAKAGE CURRENT COLD CHECK

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M } \Omega$ and $5.2\text{M } \Omega$. / When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

Figure 1



1.1.2. LEAKAGE CURRENT HOT CHECK (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5\text{k } \Omega$, 10 watts resistor, in parallel with a $0.15 \mu \text{F}$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in **Figure 1** .

3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.


2. PREVENTION OF ELECTRO STATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)"

- can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
- Caution**
Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

3. PRECAUTION OF LASER DIODE

Caution

This unit utilizes a class I laser. Invisible laser radiation is emitted from the optical pickup lens when the unit is turned on:

1. Do not look directly into the pickup lens.
2. Do not use optical instruments to look at the pickup lens.
3. Do not adjust the preset variable resistor on the optical pickup.
4. Do not disassemble the optical pickup unit.
5. If the optical pickup is replaced, use the manufacturer's specified

replacement pickup only.

6. Use of control or adjustment or performance of procedures other than those specified herein may result in hazardous radiation exposure.

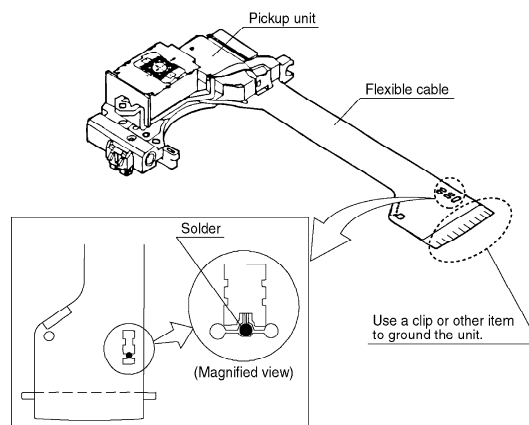
4. HANDLING PRECAUTIONS FOR TRAVERSE DECK

The laser diode in the optical pickup may break down due to potential difference caused by static electricity of clothes or human body.

So be careful of electrostatic break down during repair of the optical pickup.

4.1. Handling of optical pickup

1. Do not subject the optical pickup to static electricity as it is extremely sensitive to electrical shock.
2. To prevent the breakdown of the laser diode, an antistatic shorting pin is inserted into the flexible board (FPC Board). / When removing or connecting the short pin, finish the job in as short times as possible.
3. Be careful not to apply excessive stress to the flexible board (FPC Board).
4. Do not turn the variable resistor (Laser power adjustment).

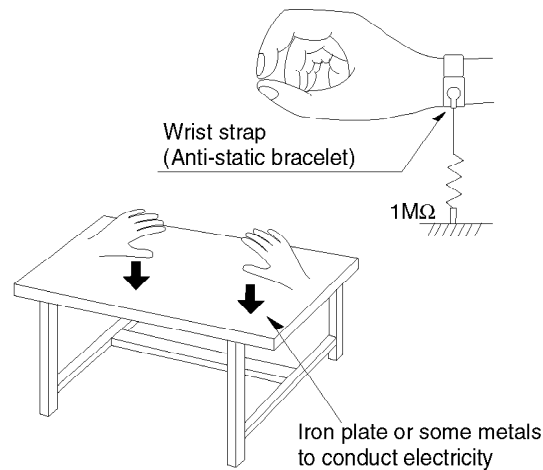


4.2. Grounding for electrostatic breakdown prevention

1. Human body grounding / Use the antistatic wrist strap to discharge the static electricity from your body.
2. Work table grounding / Put a conductive material (sheet) or steel sheet on the area where the optical pickup is placed and ground the sheet.

Caution

The static electricity of your clothes will not be grounded through the wrist strap. So take care not to let your clothes touch the optical pickup.



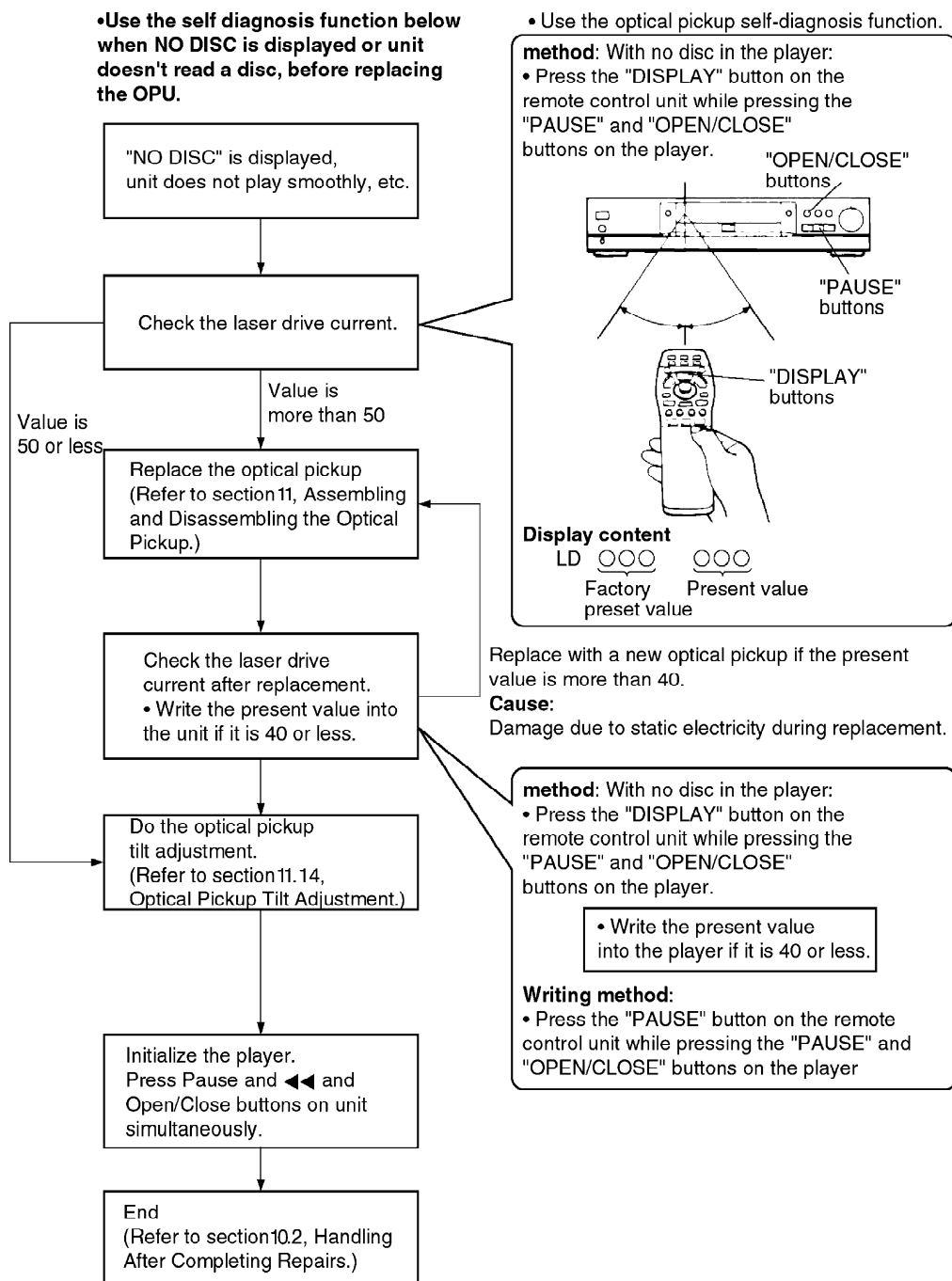
5. Optical Pickup Self-Diagnosis and Replacement Procedure

The optical pickup self-diagnosis function and tilt adjustment check function have been newly added to this player. When repairing, use the following procedure for effective Self-diagnosis and tilt adjustment.

Be sure to use the self-diagnosis function before replacing the optical pickup when "NO DISC" is displayed. As a guideline, you should replace the optical pickup when the value of the laser drive current is more than 50.

Note

Press the power button to turn on the power, and check the value before the unit warms up (within three minutes).



6. Self-Diagnosis Function and Service Modes

6.1. Service Mode Table

The service modes can be activated by pressing various button combinations on the player and remote control unit.

Player buttons	Remote control unit buttons	Application	Notes
PAUSE + OPEN/CLOSE	0	Displaying the UHF display F _ _ _	Refer to section 6.2, Self-Diagnosis (UHF Display).
	5	Jitter check, Tilt adjustment	Refer to section 11.12, Optical Pick-up Adjustment
	6	Checking the region numbers and broadcast system	
	7	Checking the program version	Check the FLASH ROM program.
	9	Lighting Confirmation Function of Display Tube	
	DISPLAY	Checking the laser drive current	Refer to section Optical Pick-up Self-Diagnosis Replacement Procedure.
	PAUSE	Writing the laser drive current value after replacing the optical pickup (do not use for anything other than optical pickup replacement)	
PAUSE SKIP/ SEARCH<< OPEN/CLOSE		Initializing the DVD player (restoring factory preset settings) / *Use when replacing a microprocessor, microprocessor peripheral parts, or P.C.B.	Refer to section 10.1, Initial DVD Player

6.2. Self-Diagnosis Function (UHF Display)

This unit incorporates a convenient self-diagnosis function for use in troubleshooting.

Display method	Display	Diagnosis	Checkpoints
Service numbers displayed / during use	U11	Focus error	IC2001, IC2511, IC5201, p
	H01	Tray loading error	IC2001, IC2511, loading
	H02	Spindle servo error	Spindle motor, IC2501,
	H03	Traverse error	Stepping motor, IC2511
	H04	Tracking servo error	IC2001, IC2501, IC5201, disc
	H05	Seek error	Stepping motor, IC2511
	H06	Power supply error	IC1021, IC1121, IC1151,
Press the "0" button on the remote control unit while pressing the "PAUSE" and "OPEN/CLOSE" button on the player.	F0**	Disc format error	If this type of error occurs, refer to section 6.3, Examples of Repairs Using Error Codes
	F1**	Disc code error	
	F2**	Decoder LSI error	
	F3**	SDRAM error	
	F4**	IIC BUS error	
	F5**	DSC	
	F6**	ECC error	
	F7**	Microprocessor error	
	F8**	Microprocessor error	

6.3. Examples of Repairs Using Error Codes

Refer to this section when carrying out repairs.

Error display	Malfunction example
F0**	Disc, IC7001
F103	Disc, IC7001
F4FF	IC6001
F500	Optical pickup, IC2001, IC5201, IC2511, IC2501
F501	IC2001, IC6201
F502	IC2501, IC2511, IC2001, IC5202
F504	IC5202, IC2001
F505	Disc, IC2501, IC2511, IC5202, IC2001
F506	Disc, Optical pickup, IC2001
F600	Disc, IC7001, IC5202, IC2001
F601	Disc, IC7001
F602	Disc, IC5202, IC2001
F603	Disc, IC5202, IC2001
F610	IC7001
F611	IC7001, IC5202, IC2001
F612	IC7001, IC5202, IC2001
F620	Laser drive circuit
F621	Laserdrive circuit
F700	IC6201
F701	IC6201
F702	IC6201
F880	IC6201
F890	IC6201
F891	IC6201
F8A0	IC6201
F893	IC6302
F894	IC6303

6.4. Sales Demonstration Lock Function

This function prevents discs from being lost when the unit is used for sales demonstrations, by disabling the disc eject function. "LOCKED" is displayed on the unit, and ordinary operation is disabled.

6.4.1. Setting Method

The sales demonstration lock function is set by simultaneously pressing the "POWER" button of DVD Player on the remote control unit and the "STOP" button on the main unit. ("LOCKED" is displayed when the lock function is engaged.)

6.4.2. Release Method

The function can be released using the same procedure as for setting. If the remote control unit is not at hand, the function can be released by using the same method as for player initialization (pressing the "PAUSE," "SKIP/SEARCH<<" and "OPEN/CLOSE" buttons simultaneously).

7. Service Tools and Equipment

7.1. Service Tools and Equipment Table

Application	Name	Number
General	DVD test disc	DVDT-S15 or DVDT-S01
Tilt adjustment	Hex wrench	JGS0100
	Adjustment table	VFK0539
Inspection	Extension cables (power supply P.C.B. to mother P.C.B.)	JGS0099
	Extension cable (module P.C.B. to mother P.C.B.)	VWJ22E7100BB
	Connector jig	RFKZ0094
Others	Screw lock	RZZ0L01
	Grease	JGS0091
		JGS0092
	Lubricant	JZS0648
Confirmation	Grease	JGS0101
Confirmation	CD test disc	SZZP1054C
	VCD test disc	PVCD_K06
Electrical adjustment	Oscilloscope	
	Probe	
	AV cable	VJA0658
	TV monitor	
General	General tools (Screw driver. etc)	
Static electricity countermeasures	Soldering iron (with ESD countermeasure)	
	Anti-static wrist strap	
	Conductive material (conductive sheet)	

7.2. Storing and Handling Test Discs

- Surface precision is vital for DVD test discs. Be sure to store and handle them carefully.

1. Do not place discs directly onto the workbench, etc., after use.
2. Handle discs carefully in order to maintain their flatness. / Place them into their case after use and store them vertically. Store discs in a cool place where they are not exposed to direct sunlight or air from air conditioners.
3. Accurate adjustment will not be possible if the disc is warped from being placed on a surface made of glass, etc. If this happens, use a new test disc to make optical adjustments.
4. If adjustment is done using a warped disc, the adjustment will be incorrect and some discs will not be playable.

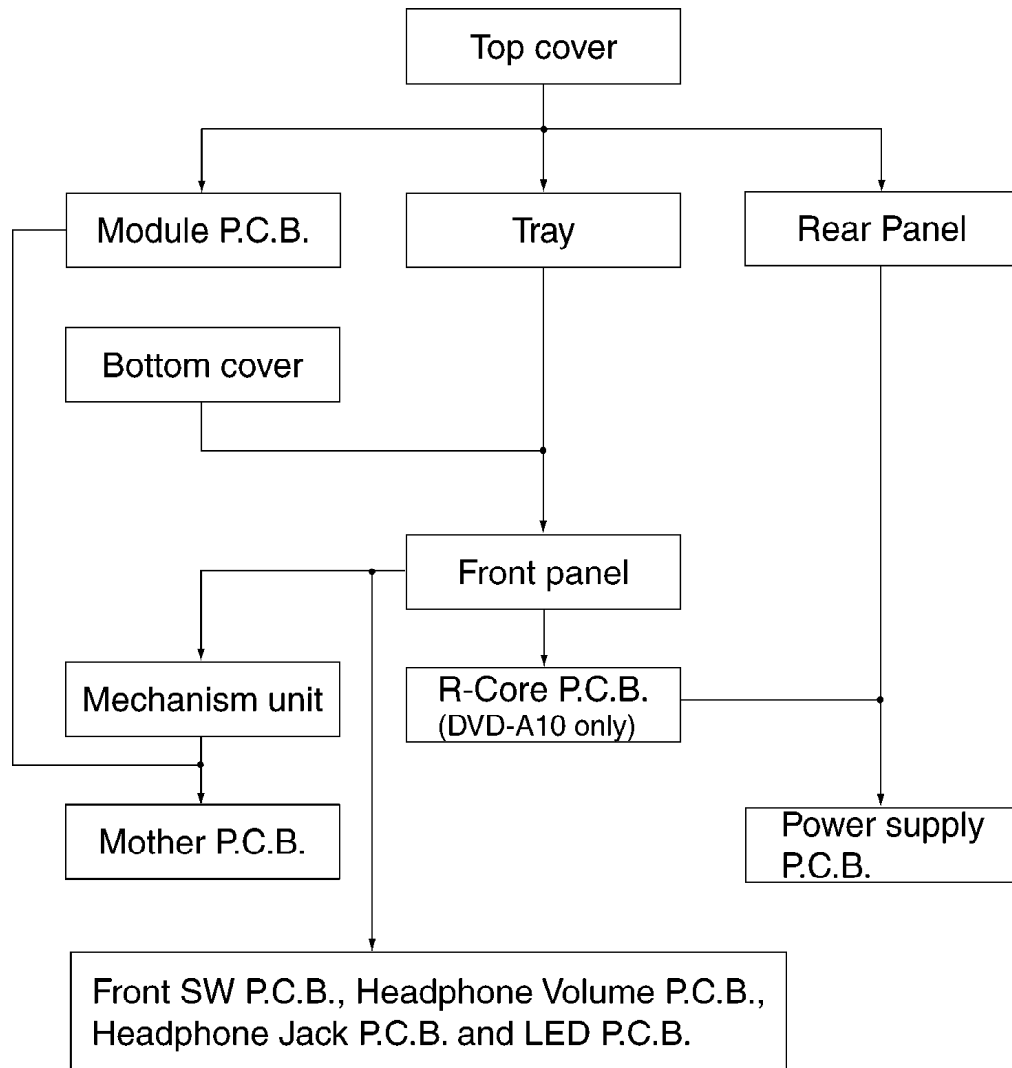
8. General Description

8.1. Operating Instructions

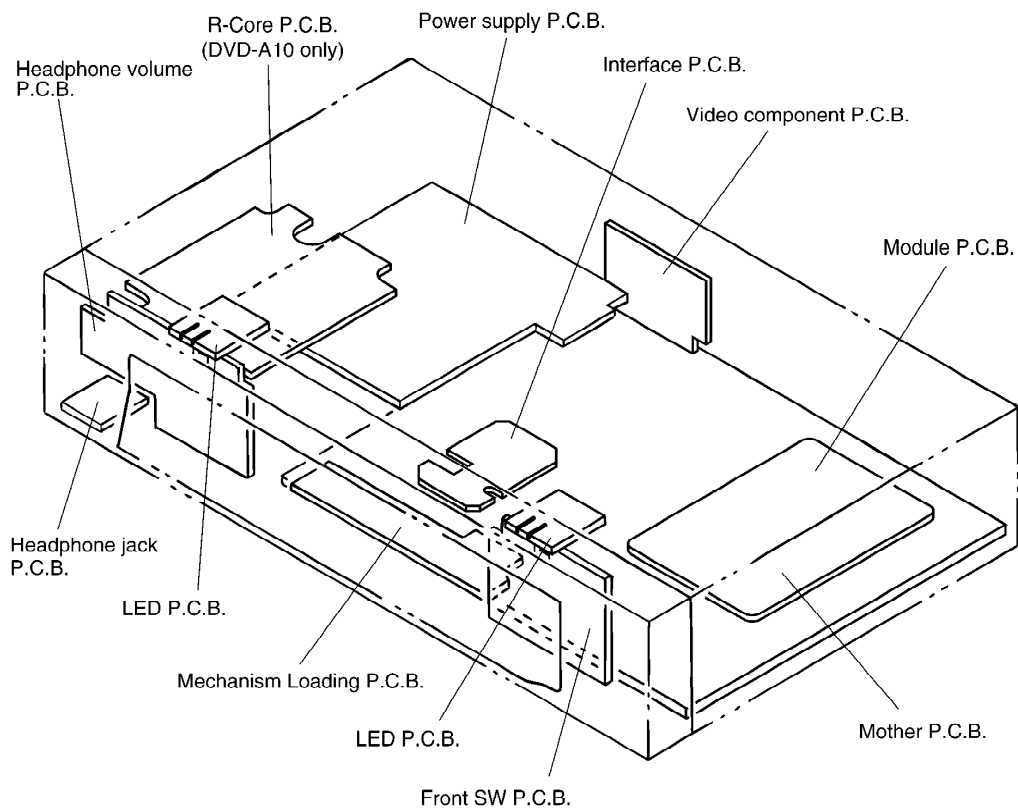
9. Assembling and Disassembling the Casing and Checking P.C.B.s

9.1. Disassembly Procedure

When servicing the unit, use the following procedure to disassemble the casing and inside parts for internal inspection.



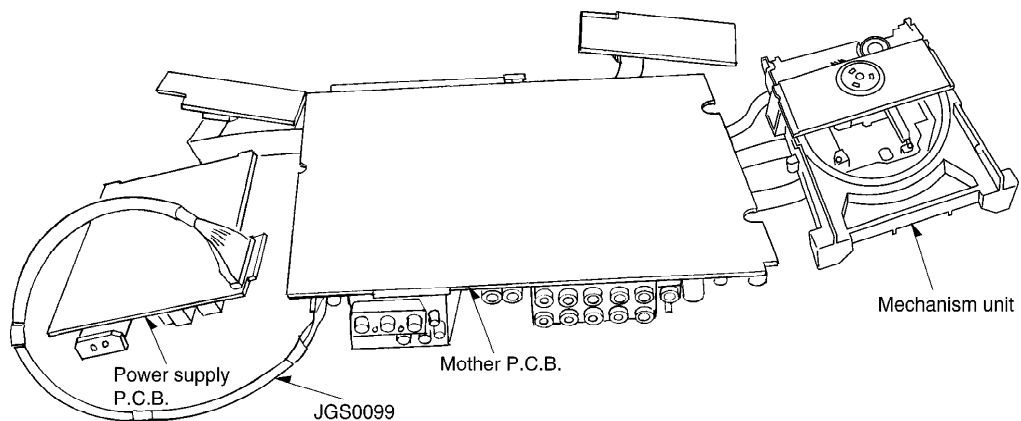
9.2. Casing Parts and P.C.B. Positions



9.3. Service Positions

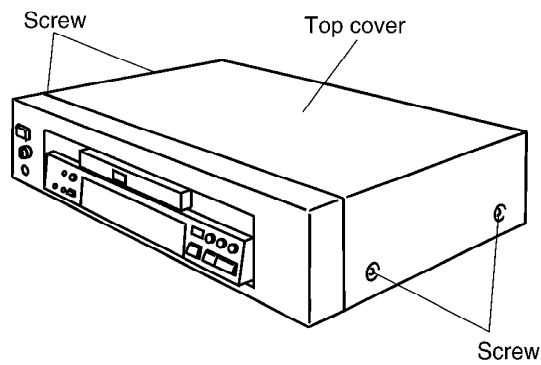
Note

To inspect the loading base unit, position the left side upward (as viewed from the front).

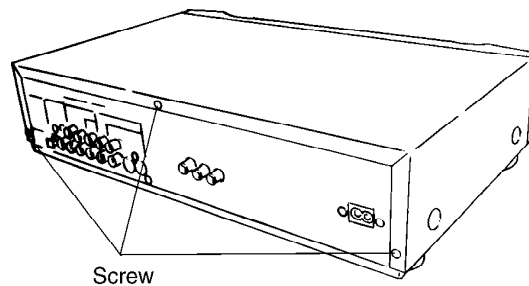


9.4. Disassembling the Top Cover

1. Remove the 4 screws.



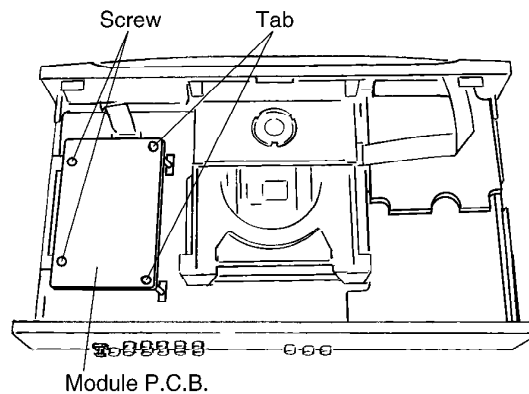
2. Remove the 3 screws.



9.5. Checking the Module P.C.B.

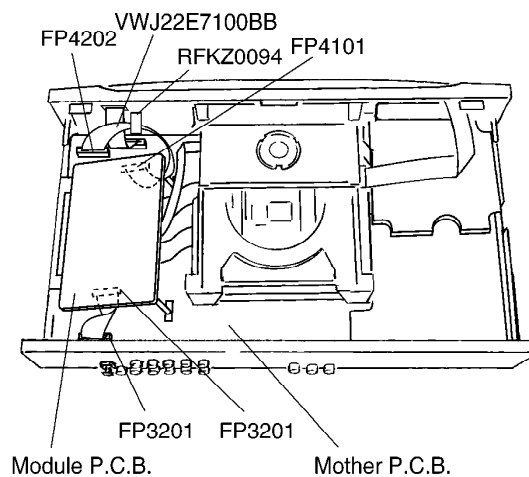
1. Remove the 2 screws.

2. Release the 2 tabs.



3. Connect the module P.C.B. to the mother P.C.B. with the extension cables for inspection.

- Extension cable: VWJ22E7100BB
- Mother P.C.B. Module P.C.B.
- FP4201-FP4101
- Connector jig: RFKZ0094

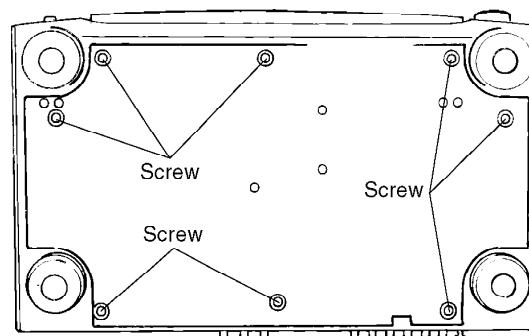


Note

Be sure to initialize the player whenever you replace a P.C.B. (Refer to section 10.1, Initializing the DVD Player.)

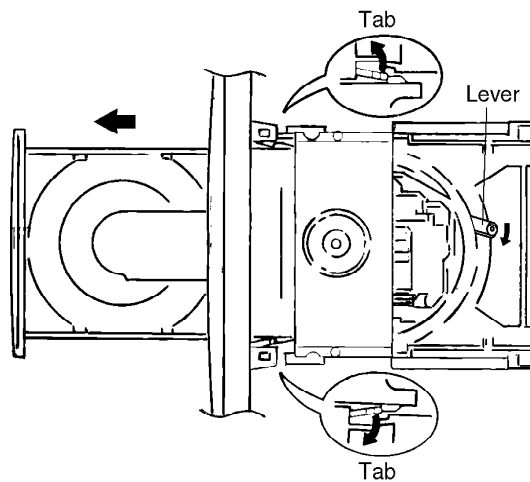
9.6. Disassembling the Bottom Cover

1. Remove the 8 screws.



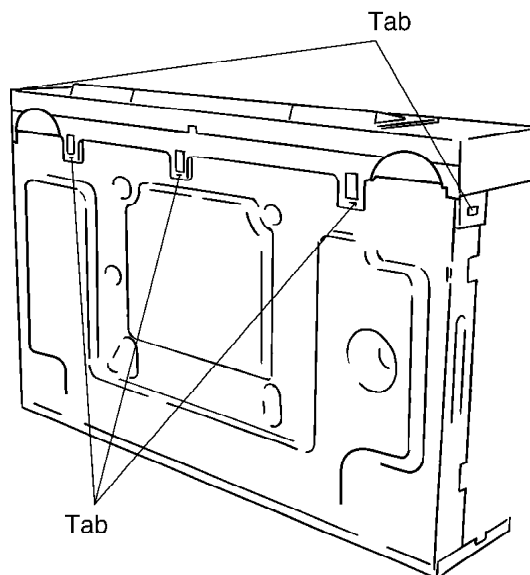
9.7. Disassembling the Tray

1. Turn the lever clockwise.
2. Move the tray in the direction of the arrow until it locks.
3. Release the tab locks on the left and right, then pull out the tray.

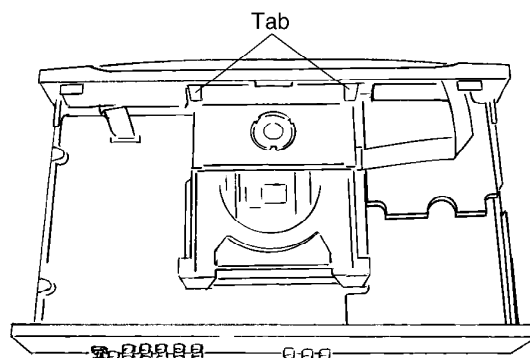


9.8. Disassembling the Front Panel

1. Release the 3 tabs on the bottom.
2. Release the 2 tabs on the left and right.

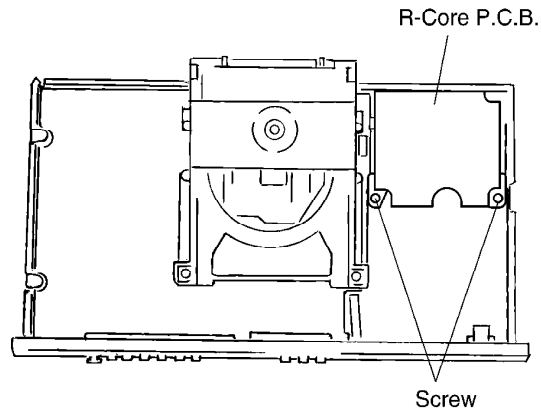


3. Release the 2 tabs.
4. Disconnect the 2 flexible cables.



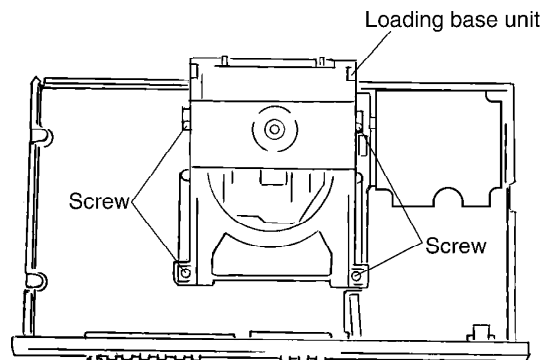
9.9. Checking the R-Core P.C.B. / (DVD-A10 only)

1. Remove the 2 screws.



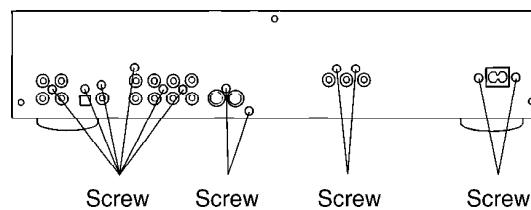
9.10. Disassembling the Loading Base Unit

1. Remove the 4 screws.
2. Pull out the loading base unit vertically.

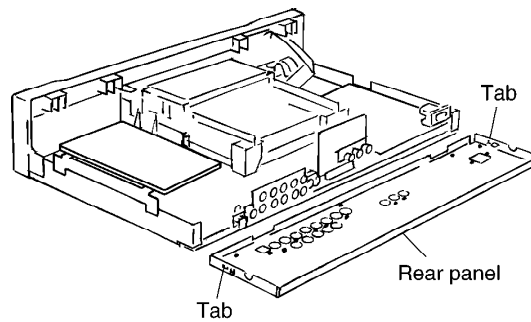


9.11. Disassembling the Rear Panel

1. Remove all of the screws connected to the rear panel. (The number of screws varies according to the model).

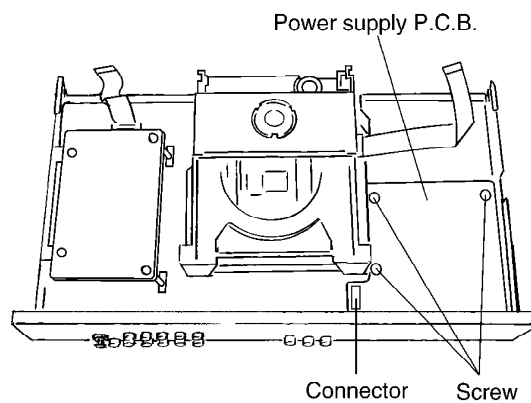


2. Release the two tabs on the left and right.



9.12. Checking the Power Supply P.C.B.

1. Remove the 3 screws.



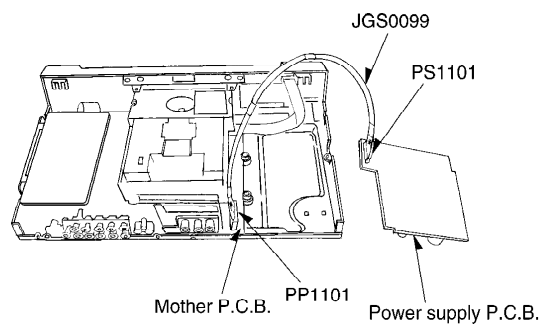
2. Carefully pull out the power supply P.C.B.

Note

There is a danger of damaging the connectors.

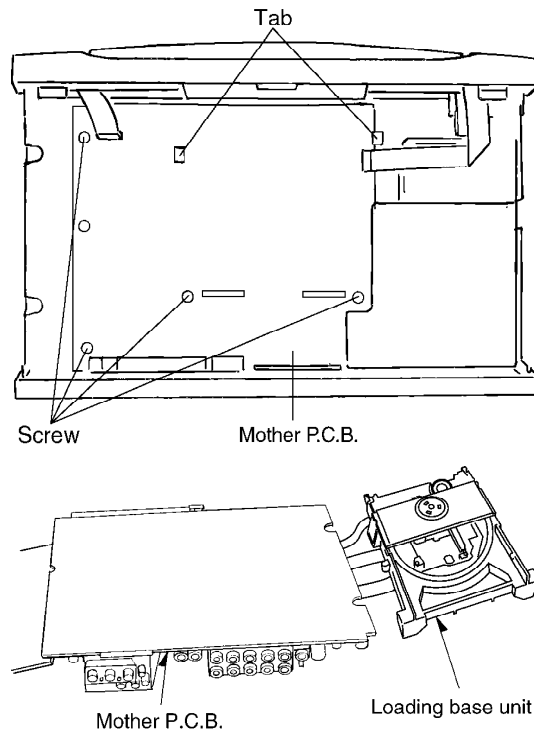
3. Connect the power supply P.C.B. and the mother P.C.B. with the extension cable for inspection.

- Extension cable: JGS0099 (connects the power supply P.C.B. PS1101 and the mother P.C.B. PP1101)



9.13. Checking the Mother P.C.B.

1. Remove the 4 screws.
2. Release the 2 tabs.

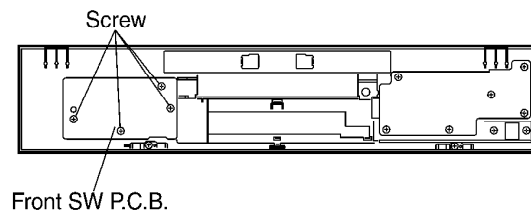


Note

Be sure to initialize the player whenever you replace a P.C.B. (Refer to section 10.1, Initializing the DVD player.)

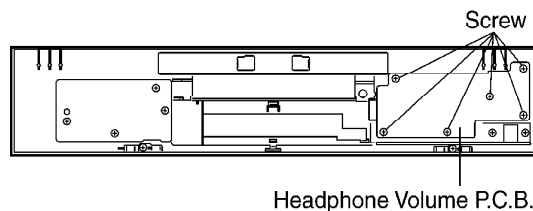
9.14. Checking the Front Switch P.C.B.

1. Remove the 4 screws.



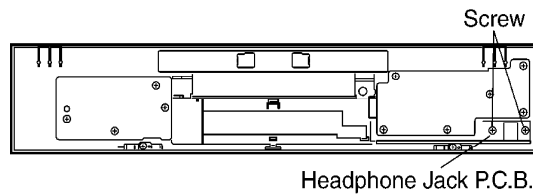
9.15. Checking the Headphone Volume P.C.B.

1. Remove the 6 screws.



9.16. Checking the Headphone Jack P.C.B.

1. Remove the 2 screws.



10. Service Precautions

10.1. Initializing the DVD Player

Initialize the DVD player whenever you replace a microprocessor, microprocessor peripheral parts, module P.C.B. or mother P.C.B.

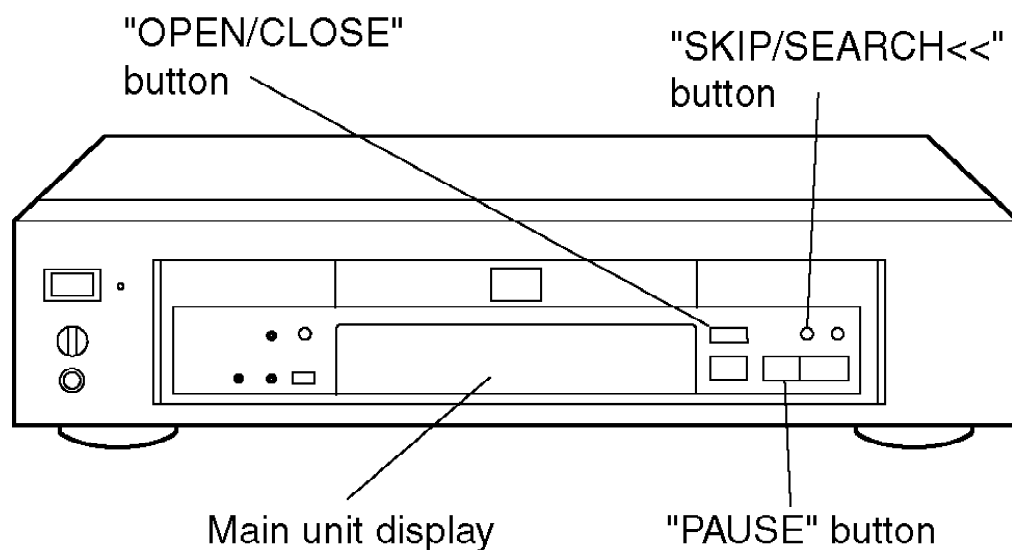
10.1.1. Precautions

The customer settings will return to factory preset settings when the player is initialized. Make a note of the settings and reset them after initializing.

- When resetting, see the Initial Settings in the Operating Instructions.

10.1.2. Initialization Method

The player will be initialized (return to the factory preset condition) when you press the "PAUSE," "SKIP/SEARCH<<" and "OPEN/CLOSE" buttons simultaneously. When the DVD player is initialized, "All Clear" appears on screen, it also displays "INITIALIZED".



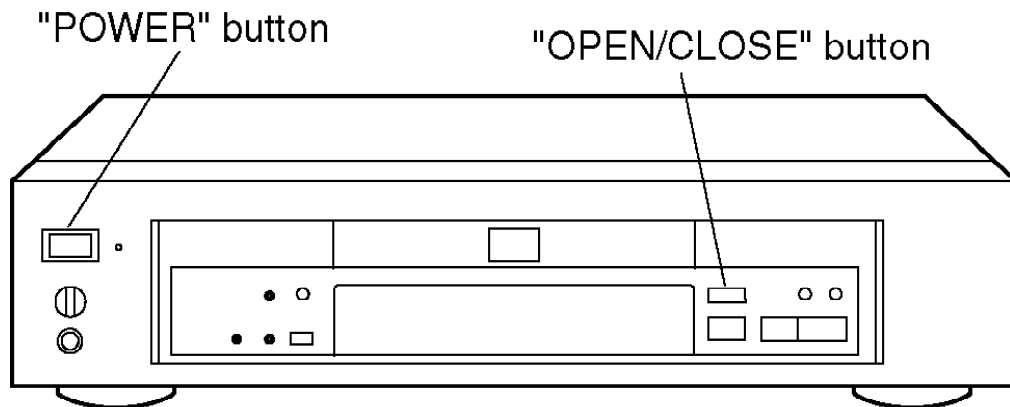
10.2. Handling After Completing Repairs

Use the following procedure to secure the traverse unit in the standby position.

10.2.1. Method

With the power turned on:

1. Press the "OPEN/CLOSE" button to close the tray.
2. Press the "POWER" button to turn off the power.
3. Disconnect the power plug from the outlet.



10.2.2. Precautions

Do not disconnect the power plug from the outlet with the tray still open, then close the tray manually. If you were to do so, the traverse unit would not go to the upper (standby) position, and the player could not be transported.

11. Assembling and Disassembling the Optical Pickup (Mechanical Parts)

The optical pickup can be damaged by static electricity from your body. Be sure to take static electricity countermeasures when working around the optical pickup.

11.1. Handling the Optical Pickup

The optical pickup can be damaged by static electricity from your body. Be sure to take static electricity countermeasures when working around the optical pickup.

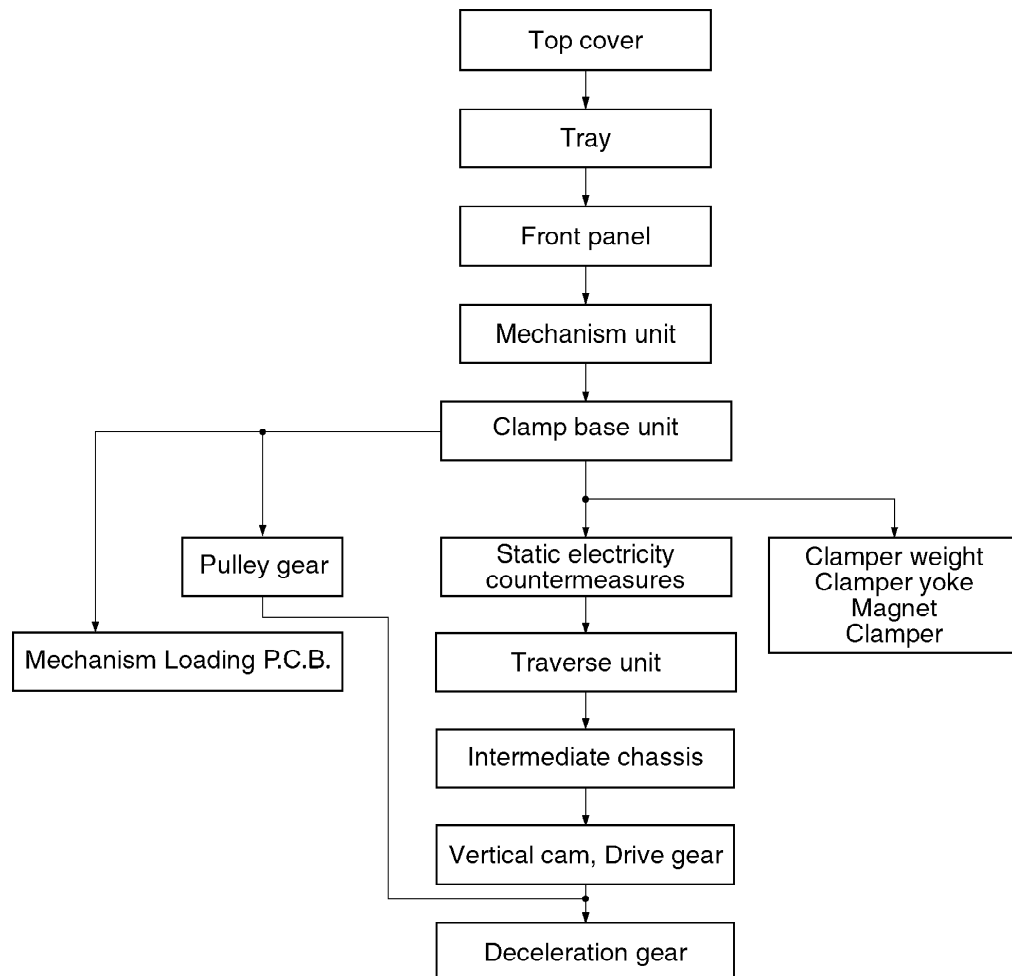
1. The optical pickup is an extremely high-precision mechanism. Do not subject it to strong impact.
2. To preserve the quality of the optical pickup replacement parts during transport and installation, the terminals of the laser diode are short-circuited. After replacing the parts, use the proper procedure to return the laser diode to its original condition. (Refer to section 11.10, Assembling the Optical Pickup.)
3. Testers cannot be used to check the laser diode of the optical pickup. The power supply inside the tester can easily damage the laser diode.

4. Take care when handling the flexible cable because excessive force can cause it to break.
5. You cannot adjust the semifixed resistor for laser power adjustment. Do not turn it.

11.2. Disassembly Procedure

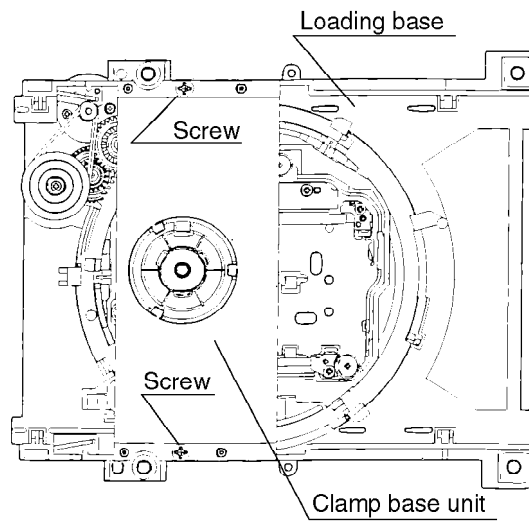
Use the following procedure to replace major parts.

For the assembly procedure, follow the flow chart in reverse.



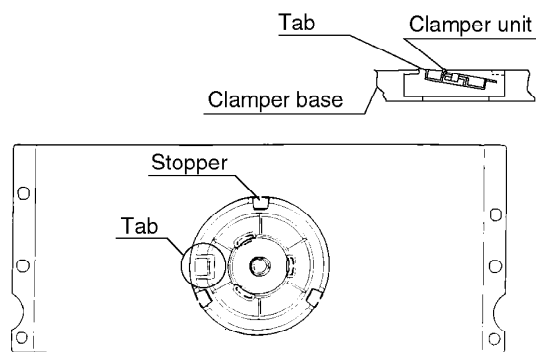
11.3. Disassembling the Clamp Base Unit

1. Remove the 2 screws.

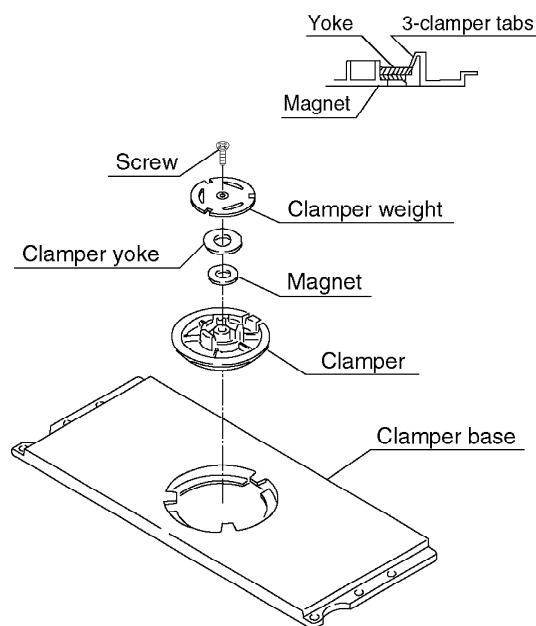


11.4. Disassembling the Clamper Weight, Clamper Yoke, Magnet and Clamper

1. Release the tab, and pull out the clamper.

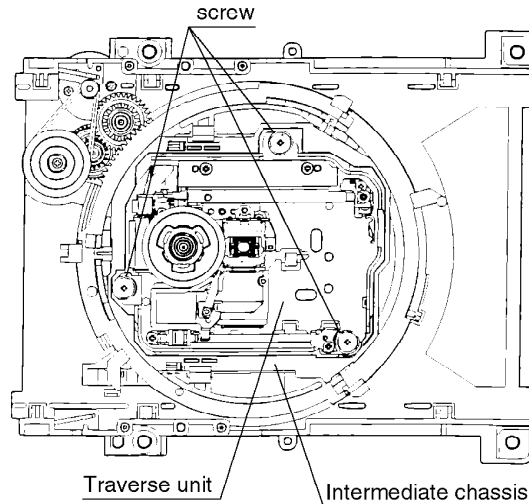


2. Release the 3 tabs on the clamper.



11.5. Disassembling the Traverse Unit

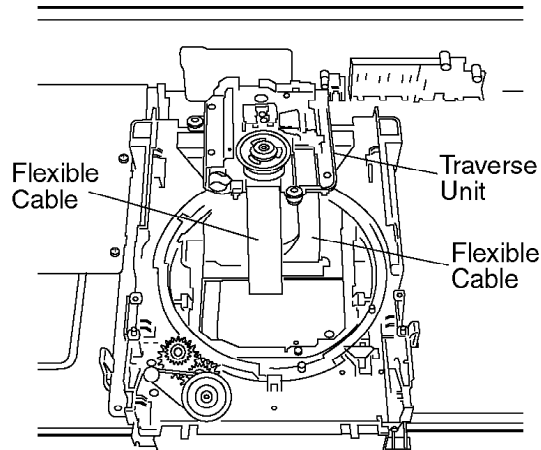
1. Remove the 3 screws.



Note

Be sure to take static electricity countermeasures before disconnecting the flexible cable. (Refer to section 4, HANDLING PRECAUTIONS FOR TRAVERSE DECK.)

2. Disconnect the 2 flexible cables.



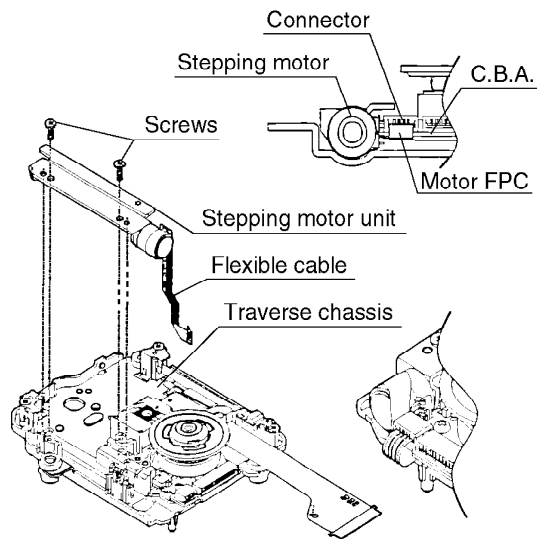
11.6. Disassembling the Stepping Motor Unit

1. Disconnect the flexible cable.

2. Remove the 2 screws.

Note

Take care when handling the flexible cable because it can be broken by excessive force.



11.7. Disassembling the Optical Pickup Unit

1. Remove the hook of the FPC holder, then remove the FPC holder itself.
2. Remove the screw.
3. Release the tab, then remove spring holder 1.

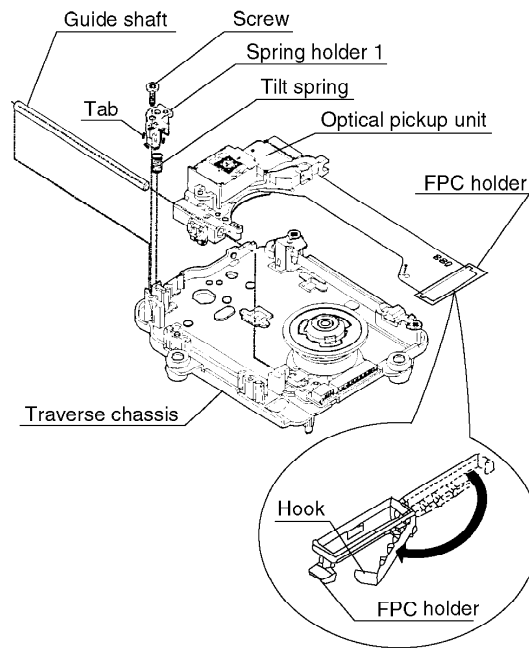
Note

Be sure not to lose the spring.

4. Remove the guide shaft.

Note

Be sure to adjust the optical pickup tilt after replacing the optical pickup. / (Refer to section 11.12, Optical Pickup Tilt Adjustment.)

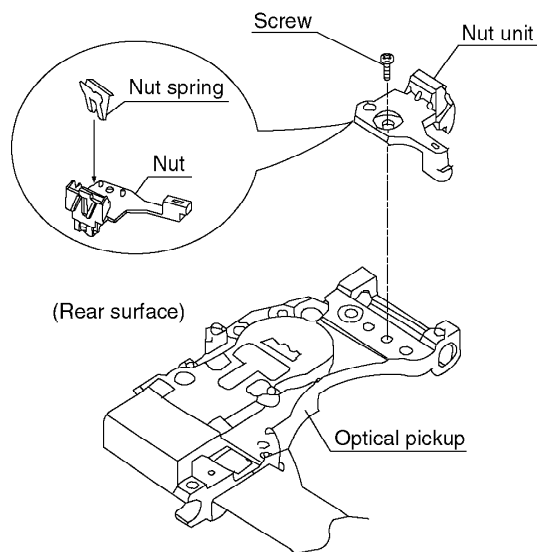


11.8. Disassembling the Nut Unit

1. Remove the screw.

Notes

- The nut unit is not part of the optical pickup. / Before replacing the optical pickup, remove the nut unit for use with the new optical pickup.
- After installation, use screw lock to lock the screw in position.
- When reassembling, use screw lock to lock the screw in position after attaching it.

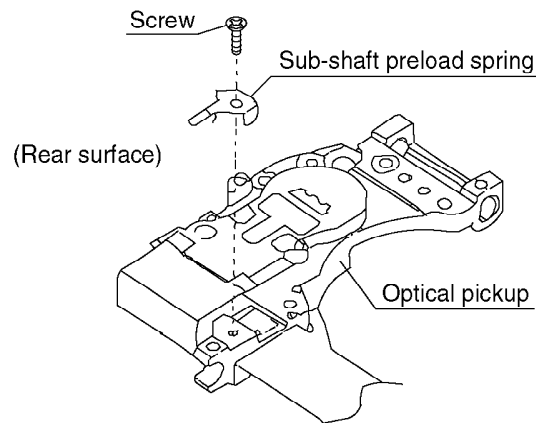


11.9. Disassembling the Sub-Shaft Preload Spring

1. Remove the screw.

Notes

- Handle the sub-shaft preload spring carefully because the shape of the tip is easily deformed.
- The sub-shaft preload spring is not part of the optical pickup.
Before replacing the optical pickup, remove the sub-shaft preload spring for use with the new optical pickup.
- After installation, use screw lock to lock the screw in position.

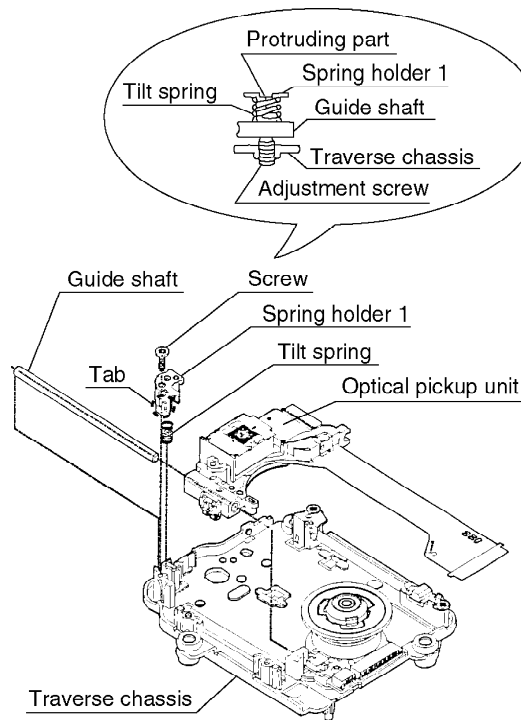


11.10. Assembling the Optical Pickup

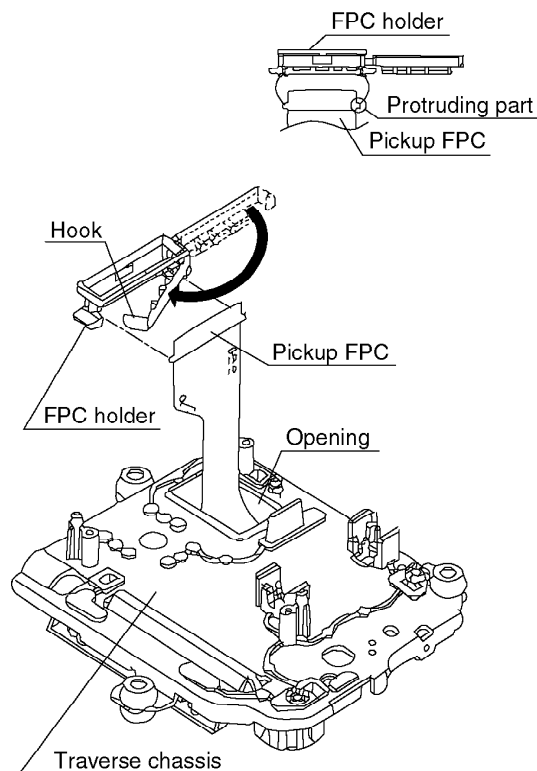
1. Install the optical pickup.

Note

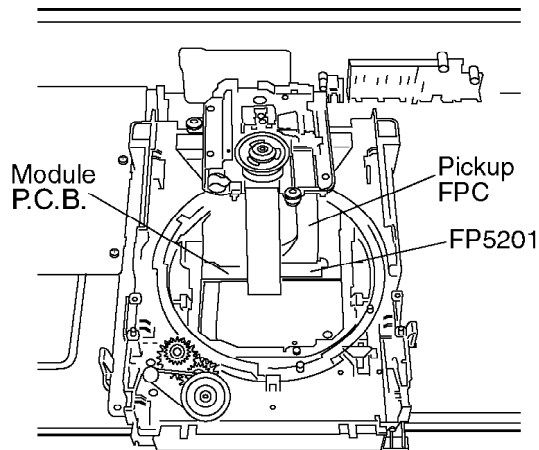
Take care not to attach the tilt spring and guide shaft in the wrong order.



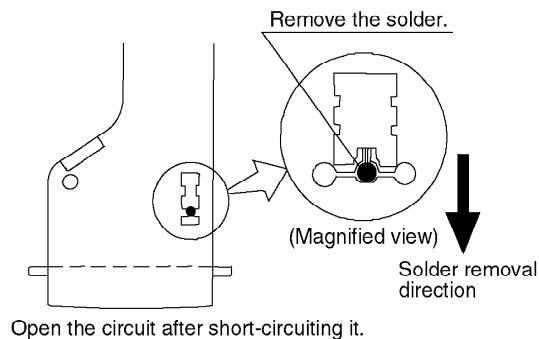
2. Fit the protruding part of the pickup FPC into the convex part of the FPC holder to install it.



3. Insert the pickup FPC into connector FP5201 on the module P.C.B.



4. Remove the solder from the pickup FPC's soldered short-circuit.



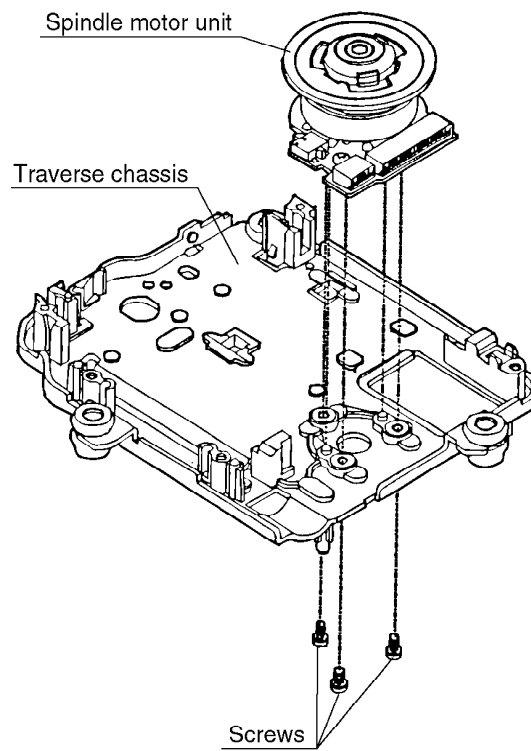
5. Adjust the optical pickup tilt after removing the solder. (Refer to section 11.12, Optical Pickup Tilt Adjustment.)

11.11. Disassembling the Spindle Motor Unit

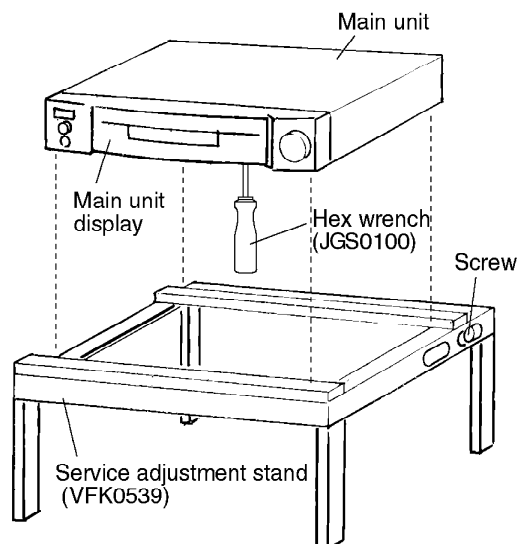
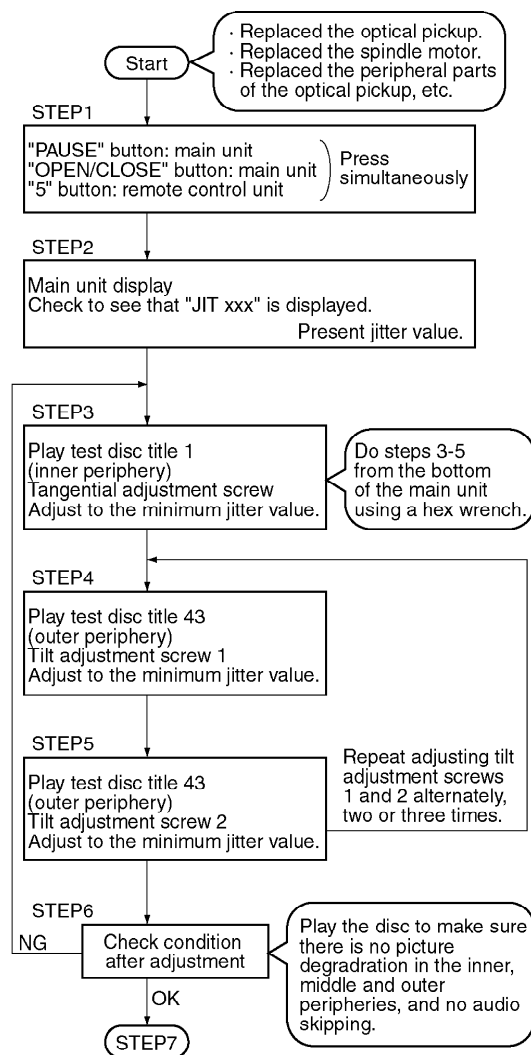
1. Remove the three screws.

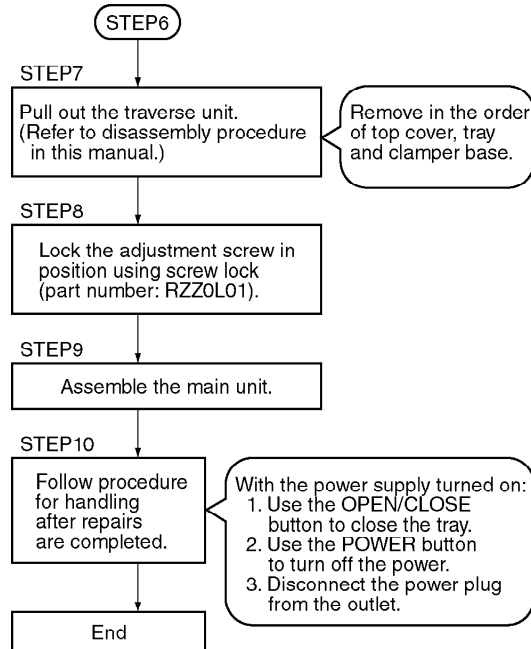
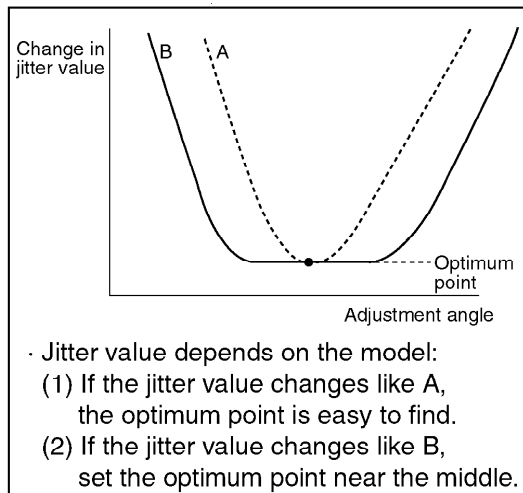
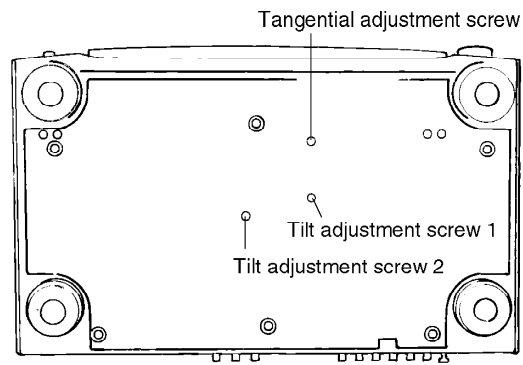
Note

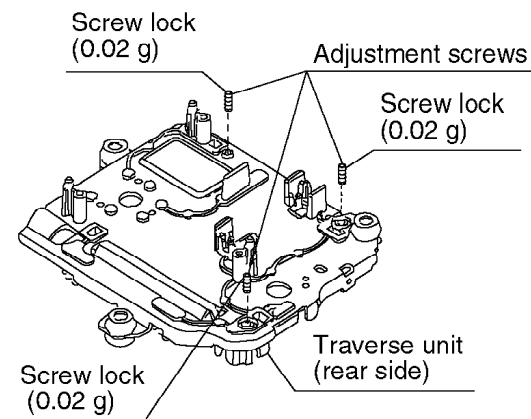
Be sure to adjust the optical pickup tilt after replacing the spindle motor unit.



11.12. Optical Pickup Tilt Adjustment





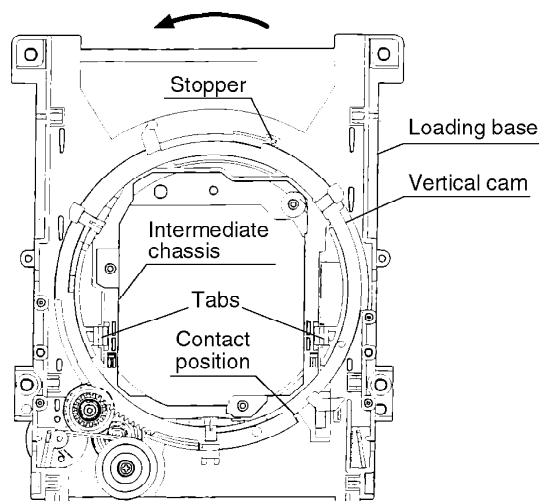


Notes

- Adjustment is generally unnecessary after replacing other parts of the traverse unit. However, adjust if there is a noticeable degradation in picture quality.
- Optical adjustments cannot be made inside the optical pickup.
- Adjustment is generally unnecessary after replacing the traverse unit.

11.13. Disassembling the Intermediate Chassis

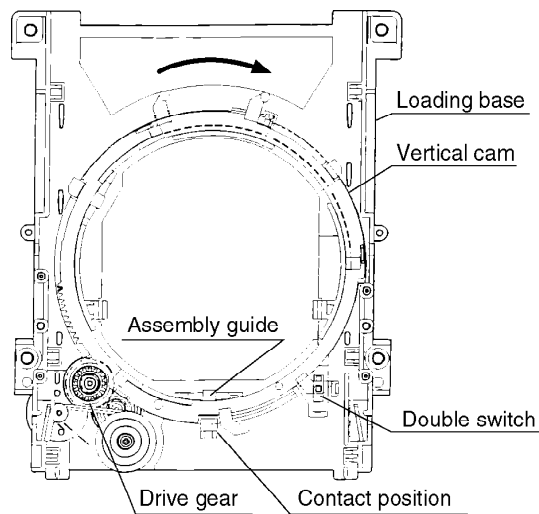
1. Push the stopper downward, then rotate it until it contacts the Vertical cam.
2. Release the 2 tabs.



11.14. Disassembling the Vertical cam and Drive gear

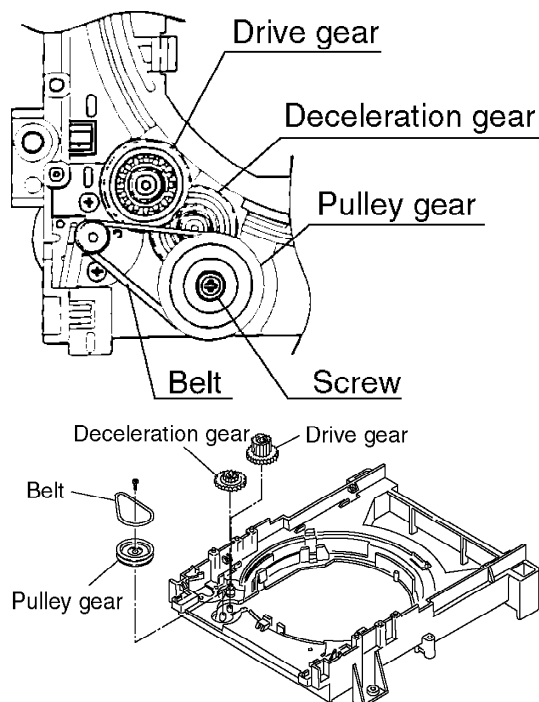
1. Rotate the Vertical cam until it reaches the contact position.

2. Lift the Vertical cam straight upward to pull it out.
3. Remove the Drive gear.



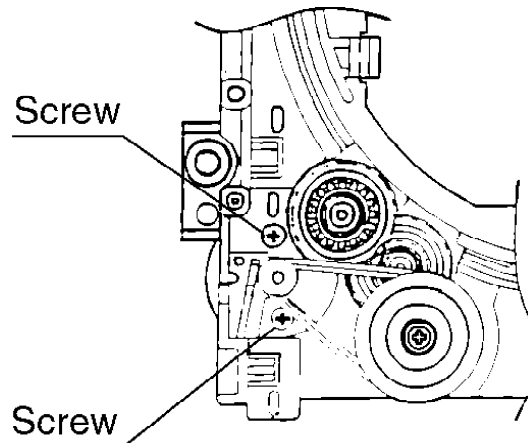
11.15. Disassembling the Pulley Gear and Deceleration Gear

1. Remove the screw.
2. Remove the pulley gear.
3. Remove the belt.
4. Remove the deceleration gear.



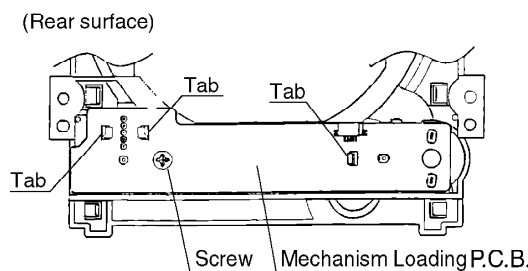
11.16. Disassembling the Mechanism Loading P.C.B.

1. Remove the 2 screws.



2. Remove the 2 screws.

3. Release the three tabs.



12. Electrical Adjustment

12.1. Video Output (Luminance Signal) Adjustment

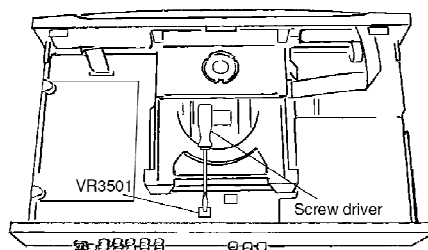
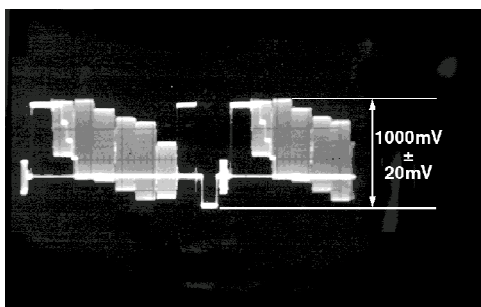
Do this adjustment after replacing a P.C.B.

Measurement point	Adjustment point	Mode	Disc
Video output terminal	VR3501 (mother P.C.B.)	Color bar 75% PLAY (Title 46):DVDT-S15 PLAY (Title 12):DVDT-S01	DVDT-S15 or DVDT-S01
Measuring equipment, tools		Adjustment value	
Screwdriver, Oscilloscope 200mV/div, 10 μ sec/div		1000mVp-p \pm 20mV	

Purpose: To maintain video signal output compatibility.

1. Connect the oscilloscope to the video output terminal and terminate at 75 ohms.

2. Adjust VR3501 so that the luminance signal (Y+S) level becomes 1000 mVp-p \pm 20 mV.



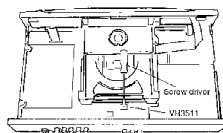
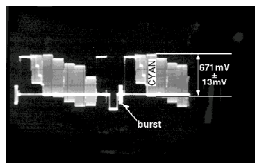
12.2. Video Output (Chrominance Signal) Adjustment

Do this adjustment after replacing a P.C.B.

Measurement point	Adjustment point	Mode	Disc
Video output terminal	VR3511 (mother P.C.B.)	Color bar 75% PLAY (Title 46):DVDT-S15 PLAY (Title 12):DVDT-S01	DVDT-S15 or DVDT-S01
Measuring equipment, tools		Adjustment value	
Screwdriver, Oscilloscope 200mV/div, 10 μ sec/div		671mVp-p \pm 13mV	

Purpose: To maintain video signal output compatibility.

1. Connect the oscilloscope to the video output terminal and terminate at 75 ohms.
2. Adjust VR3511 so that the chrominance signal (C) level becomes 671 mVp-p \pm 13 mV.



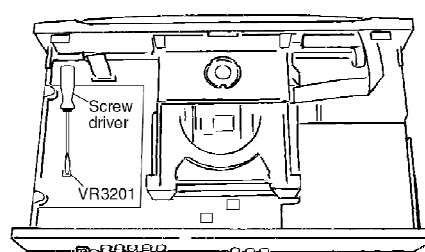
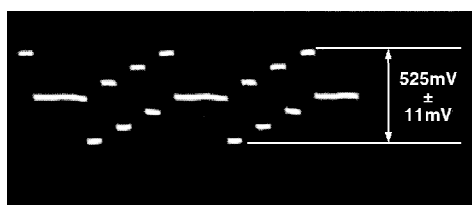
12.3. Video Component Signal (CB) Output Adjustment

Do this adjustment after replacing a P.C.B.

Measurement point	Adjustment point	Mode	Disc
Video output terminal (Y) (CB) Output terminal	VR3201 (module P.C.B.)	Color bar 75% PLAY (Title 46):DVDT-S15 PLAY (Title 12):DVDT-S01	DVDT-S15 or DVDT-S01
Measuring equipment, tools		Adjustment value	
Screwdriver, Oscilloscope 100mV/div, 10 μ sec/div		525mVp-p \pm 11mV	

Purpose : To maintain video signal output compatibility.

1. Connect the oscilloscope to the video component output terminal and terminate at 75 ohms.
2. Apply the trigger at the Y output terminal signal.
3. Adjust VR3201 so that the video component signal (CB) level becomes 525 mVp-p \pm 11 mV.



13. Abbreviations

INITIAL/LOGO		ABBREVIATIONS
A	A0~UP	ADDRESS
	ACLK	AUDIO CLOCK
	AD0~UP	ADDRESS BUS
	ADATA	AUDIO PES PACKET DATA
	ALE	ADDRESS LATCH ENABLE
	AMUTE	AUDIO MUTE
	AREQ	AUDIO PES PACKET REQUEST
	ARF	
	ASI	AUDIO RF
	ASO	SERVO AMP INVERTED INPUT
	ASync	SERVO AMP OUTPUT
B		AUDIO WORD DISTINCTION SYNC
	BCK	BIT CLOCK (PCM)
	BCKIN	BIT CLOCK INPUT
	BDO	BLACK DROP OUT
	BLKCK	SUB CODE BLOCK CLOCK
	BOTTOM	CAP. FOR BOTTOM HOLD
	BYP	BYPATH
	BYTCK	BYTE CLOCK

INITIAL/LOGO		ABBREVIATIONS
C	CAV	CONSTANT ANGULAR
	CBDO	VELOCITY
	CD	CAP. BLACK DROP OUT
	CDSCK	COMPACT DISC
	CDSRDATA	CD SERIAL DATA CLOCK
		CD SERIAL DATA
	CDRF	CD RF (EFM) SIGNAL
	CDV	COMPACT DISC-VIDEO
	CHNDATA	CHANNEL DATA
	CKSL	SYSTEM CLOCKSELECT
	CLV	CONSTANT LINEAR VELOCITY
	COFTR	CAP. OFF TRACK
	CPA	CPU ADDRESS
	CPCS	CPU CHIP SELECT
	CPDT	CPU DATA
	CPUADR	CPU ADDRESS LATCH
	CPUADT	CPU ADDRESS DATA BUS
	CPUIRQ	CPU INTERRUPT REQUEST
	CPRD	CPU READ ENABLE
	CPWR	CPU WRITE ENABLE
	CS	CHIPSELECT
	CSYNCIN	COMPOSITE SYNC IN
	CSYNCOU	COMPOSITE SYNC OUT
D	DACCK	D/A CONVERTER CLOCK
	DEEMP	DEEMPHASIS BIT ON/OFF
	DEMPH	DEEMPHASIS SWITCHING
	DIG0~UP	FL DIGIT OUTPUT
	DIN	DATA INPUT
	DMSRCK	DM SERIAL DATA READ
	DMUTE	CLOCK
	DO	DIGITAL MUTE CONTROL
	DOUT0~UP	DROP OUT
		DATAOUTPUT
	DRF	DATA SLICE RF (BIAS)
	DRPOUT	DROP OUT SIGNAL
	DREQ	DATA REQUEST
	DRESP	DATA RESPONSE
	DSC	DIGITAL SERVO CONTROLLER
	DSLRF	
	DVD	DATA SLICE LOOP FILTER
		DIGITAL VIDEO DISC

INITIAL/LOGO		ABBREVIATIONS
E	EC	ERROR TORQUE CONTROL
	ECR	ERROR TORQUE CONTROL REFERENCE
	ENCSEL	ENCODER SELECT
	ETMCLK	EXTERNAL M CLOCK (81MHz/40.5MHz)
	ETSCLK	EXTERNAL S CLOCK (54MHz)
F	FBAL	FOCUS BALANCE
	FCLK	FRAME CLOCK
	FE	FOCUS ERROR
	FFI	FOCUS ERROR AMP
	FEO	INVERTED INPUT
	FG	FOCUS ERROR AMP OUTPUT
	FSC	FREQUENCY GENERATOR
	FSCK	FREQUENCY SUB CARRIER FS (384 OVER SAMPLING) CLOCK
G	GND	COMMON GROUNDING (EARTH)
H	HA0~UP	HOST ADDRESS
	HD0~UP	HOST DATA
	HINT	HOST INTERRUPT
	HRXW	HOST READ/WRITE
I	IECOUT	IEC958 FORMAT DATA OUTPUT
	IPFRAG	INTERPOLATION FLAG
	IREF	I (CURRENT) REFERENCE
	ISEL	INTERFACE MODE SELECT
L	LDON	LASER DIODE CONTROL
	LPC	LASER POWER CONTROL
	LRCK	L CH/R CH DISTINCTION CLOCK

INITIAL/LOGO		ABBREVIATIONS
M	MA0~UP	MEMORY ADDRESS
	MCK	MEMORY CLOCK
	MCKI	MEMORY CLOCK INPUT
	MCLK	MEMORY SERIAL COMMAND
	MDATA	CLOCK
	MDQ0~UP	MEMORY SERIAL COMMAND
	MDQM	DATA
	MLD	MEMORY DATA INPUT/OUTPUT
	MPEG	MEMORY DATA I/O MASK
		MEMORY SERIAL COMMAND LOAD
O	ODC	MOVING PICTURE EXPERTS GROUP
	OFTR	OPTICAL DISC CONTROLLER
	OSCI	OFF TRACKING
	OSCO	OSCILLATOR INPUT
	OSD	OSCILLATOR OUTPUT
P	P1~UP	ON SCREEN DISPLAY
	PCD	PORT
	PCK	CD TRACKING PHASE
	PDVD	DIFFERENCE
	PEAK	PLL CLOCK
	PLLCLK /	DVD TRACKING PHASE
	PLLOK	DIFFERENCE
	PWMCTL	CAP. FOR PEAK HOLD
	PWMDA	CHANNEL PLL CLOCK
	PWMOA, B	PLL LOCK
		PWM OUTPUT CONTROL
		PULSE WAVE MOTOR DRIVEA
		PULSE WAVE MOTOR OUT A, B

INITIAL/LOGO		ABBREVIATIONS
R	RE	READ ENABLE
	RFENV	RF ENVELOPE
	RFO	RF PHASE DIFFERENCE
	RS	OUTPUT
	RSEL	(CD-ROM) REGISTER SELECT
	RST	RF POLARITY SELECT
	RSV	RESET RESERVE
S	SBI0, 1	SERIAL DATA INPUT
	SBO0	SERIAL DATA OUTPUT
	SBT0, 1	SERIAL CLOCK
	SCK	SERIAL DATA CLOCK
	SCKR	AUDIO SERIAL CLOCK
	SCL	RECEIVER
	SCLK	SERIAL CLOCK
	SDA	SERIAL CLOCK
	SEG0~UP	SERIAL DATA
	SELCLK	FL SEGMENT OUTPUT
	SEN	SELECTCLOCK
	SIN1, 2	SERIAL PORT ENABLE
	SOUT1, 2	SERIAL DATA IN
	SPDI	SERIAL DATA OUT
	SPDO	SERIAL PORT DATA INPUT
	SPEN	SERIAL PORT DATA OUTPUT
	SPRCLK	SERIAL PORT R/W ENABLE
	SPWCLK	SERIAL PORT READ CLOCK
	SQCK	SERIAL PORT WRITE CLOCK
	SQCX	SUB CODE Q CLOCK
	SRDATA	SUBCODE Q DATA READ
	SRMADR	CLOCK
	SRMDT0~7	SERIAL DATA SRAM ADDRESS BUS
	SS	SRAM DATA BUS 0~7
	STAT	START/STOP
	STCLK	STATUS
	STD0~UP	STREAM DATA CLOCK
	STENABLE	STREAM DATA STREAM DATA INPUT ENABLE
	STSEL	STREAM DATA POLARITY
	STVALID	SELECT
	SUBC	STREAM DATAVALIDITY
	SBCK	SUB CODE SERIAL
	SUBQ	SUB CODE CLOCK
	SYSCLK	SUB CODE Q DATA

		SYSTEM CLOCK
INITIAL/LOGO		ABBREVIATIONS
T	TE	TRACKING ERROR
	TIBAL	BALANCE CONTROL
	TID	BALANCE OUTPUT 1
	TIN	BALANCE INPUT
	TIP	BALANCE INPUT
	TIS	BALANCE OUTPUT 2
	TPSN	OP AMP INPUT
	TPSO	OP AMP OUTPUT
	TPSP	OP AMP INVERTED INPUT
	TRCRS	TRACK CROSS SIGNAL
	TRON	TRACKING ON
	TRSON	TRAVERSE SERVO ON

INITIAL/LOGO		ABBREVIATIONS
V	VBLANK	V BLANKING
	VCC	COLLECTOR POWER SUPPLY VOLTAGE
	VCDCONT	VIDEO CD CONTROL (TRACKING BALANCE)
	VDD	DRAIN POWER SUPPLY VOLTAGE
	VFB	VIDEO FEED BACK VOLTAGE REFERENCE
	VREF	SOURCE POWER SUPPLY VOLTAGE
	VSS	SOURCE POWER SUPPLY VOLTAGE
W	WAIT	BUS CYCLE WAIT
	WDCK	WORD CLOCK
	WEH	WRITE ENABLE HIGH
	WSR	WORD SELECT RECEIVER

INITIAL/LOGO		ABBREVIATIONS
X	X	X' TAL
	XALE	X ADDRESS LATCH ENABLE
	XAREQ	X AUDIO DATA REQUEST
	XCDROM	X CD ROM CHIP SELECT
	XCS	X CHIP SELECT
	XCSYNC	X COMPOSITE SYNC
	XDS	X DATA STROBE
	XHSYNCO	X HORIZONTAL SYNC OUTPUT
	XHINT	XH INTERRUPTREQUEST
	XI	X' TAL OSCILLATOR INPUT
	XINT	X INTERRUPT
	XMW	X MEMORY WRITE ENABLE
	XO	X' TAL OSCILLATOR OUTPUT
	XRE	X READ ENABLE
	XSRMCE	X SRAM CHIP ENABLE
	XSRMOE	X SRAM OUTPUT ENABLE
	XSRMWE	X SRAM WRITE ENABLE
	XVCS	X V-DEC CHIPSELECT
	XVDS	X V-DEC CONTROL BUS
	XVSYNCO	STROBE
		X VERTICAL SYNC OUTPUT

14. VOLTAGE CHART

14.1. POWER SUPPLY P.C.B.

14.2. MODULE P.C.B.

14.3. MOTHER P.C.B.

14.4. R-CORE P.C.B.

14.5. HEADPHONE VOLUME P.C.B.

14.6. VIDEO COMPONENT P.C.B

15. BLOCK DIAGRAM

15.1. OVERALL BLOCK DIAGRAM

15.2. SERVO BLOCK DIAGRAM

15.3. VIDEO BLOCK DIAGRAM

15.4. AUDIO BLOCK DIAGRAM

16. SCHEMATIC DIAGRAM

16.1. INTERCONNECTION SCHEMATIC DIAGRAM (DVD-A7)

16.2. INTERCONNECTION SCHEMATIC DIAGRAM (DVD-A10)

16.3. POWER SUPPLY SCHEMATIC DIAGRAM

16.4. ADSC SECTION (MODULE P.C.B. (1/8)) SCHEMATIC DIAGRAM

**16.5. AV DECORDER SECTION (MODULE P.C.B. (2/8)) SCHEMATIC
DIAGRAM**

**16.6. VIDEO D/A CONVERTER SECTION (MODULE P.C.B. (3/8))
SCHEMATIC DIAGRAM**

16.7. AUDIO SECTION (MODULE P.C.B. (4/8)) SCHEMATIC DIAGRAM

16.8. FEP SECTION (MODULE P.C.B. (5/8)) SCHEMATIC DIAGRAM

16.9. CPU SECTION (MODULE P.C.B. (6/8)) SCHEMATIC DIAGRAM

16.10. ODC SECTION (MODULE P.C.B. (7/8)) SCHEMATIC DIAGRAM

16.11. CSS2 SECTION (MODULE P.C.B. (8/8)) SCHEMATIC DIAGRAM

**16.12. AUDIO D/A CONVERTER SECTION (MOTHER P.C.B. (1/6))
SCHEMATIC DIAGRAM**

**16.13. AUDIO AC3 SECTION (MOTHER P.C.B. (2/6)) SCHEMATIC
DIAGRAM**

**16.14. AUDIO OUT SECTION (MOTHER P.C.B. (3/6)) SCHEMATIC
DIAGRAM**

**16.15. DIGITAL OUT SECTION (MOTHER P.C.B. (4/6)) SCHEMATIC
DIAGRAM**

**16.16. VIDEO OUT SECTION (MOTHER P.C.B. (5/6)) SCHEMATIC
DIAGRAM**

**16.17. OPERATION & FL SECTION (MOTHER P.C.B. (6/6))
SCHEMATIC DIAGRAM**

**16.18. FRONT SWITCH, HEADPHONE VOLUME, HEADPHONE JACK,
POWER SWITCH, WHITE LED SCHEMATIC DIAGRAM**

16.19. R-CORE SCHEMATIC DIAGRAM (DVD-A10 ONLY)

17. CIRCUIT BOARD ASSEMBLY

17.1. POWER SUPPLY P.C.B.

17.2. MODULE P.C.B. (1/2) (COMPONENT SIDE)

17.3. MODULE P.C.B. (2/2) (FOIL SIDE)

17.4. MODULE P.C.B. AND MOTHER P.C.B. ADDRESS INFORMATION

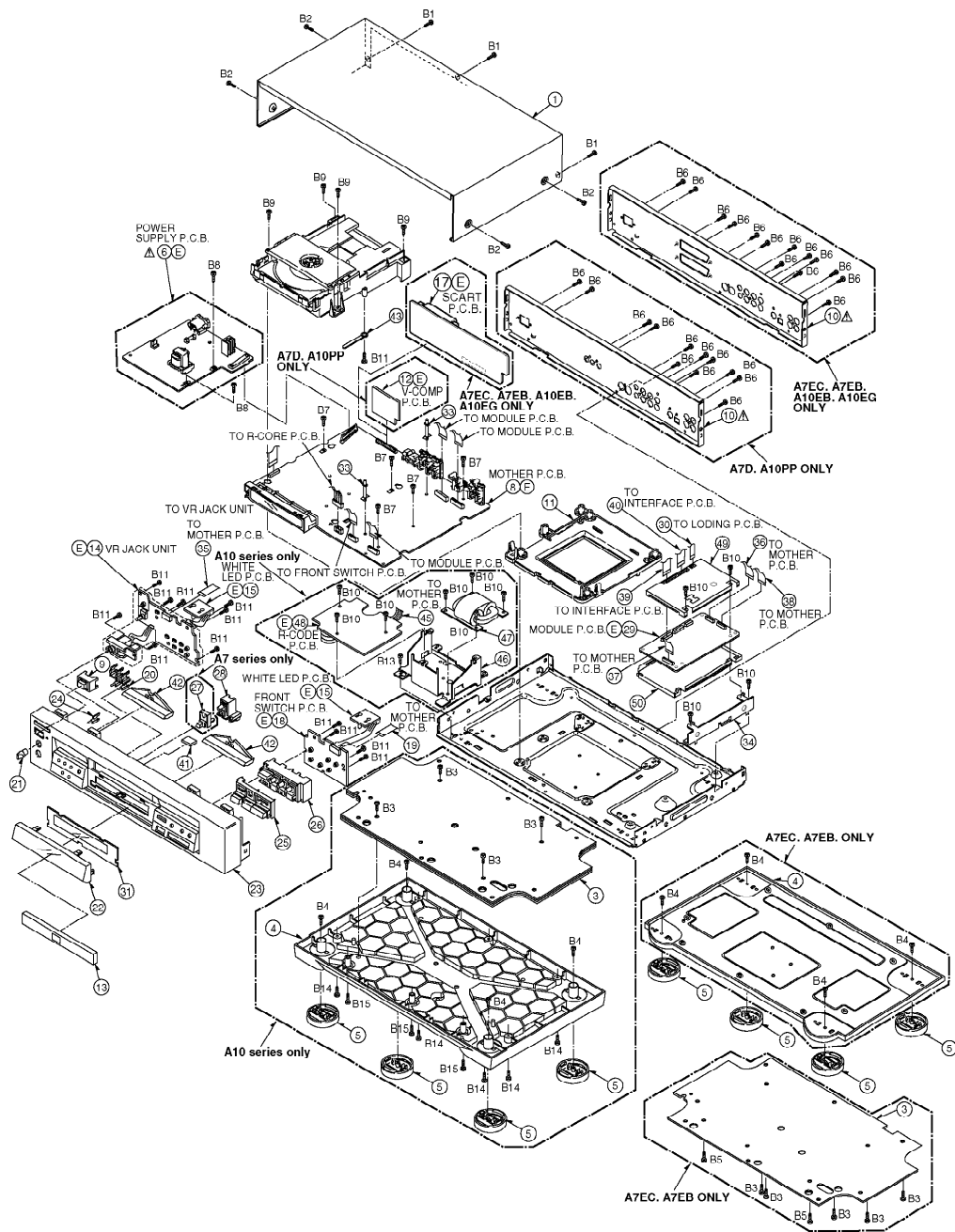
17.5. MOTHER P.C.B.

**17.6. FRONT SWITCH P.C.B., HEADPHONE VOLUME P.C.B.,
HEADPHONE JACK P.C.B., POWER SWITCH P.C.B. AND WHITE
LED P.C.B.**

17.7. R-CORE P.C.B. (DVD-A10 ONLY)

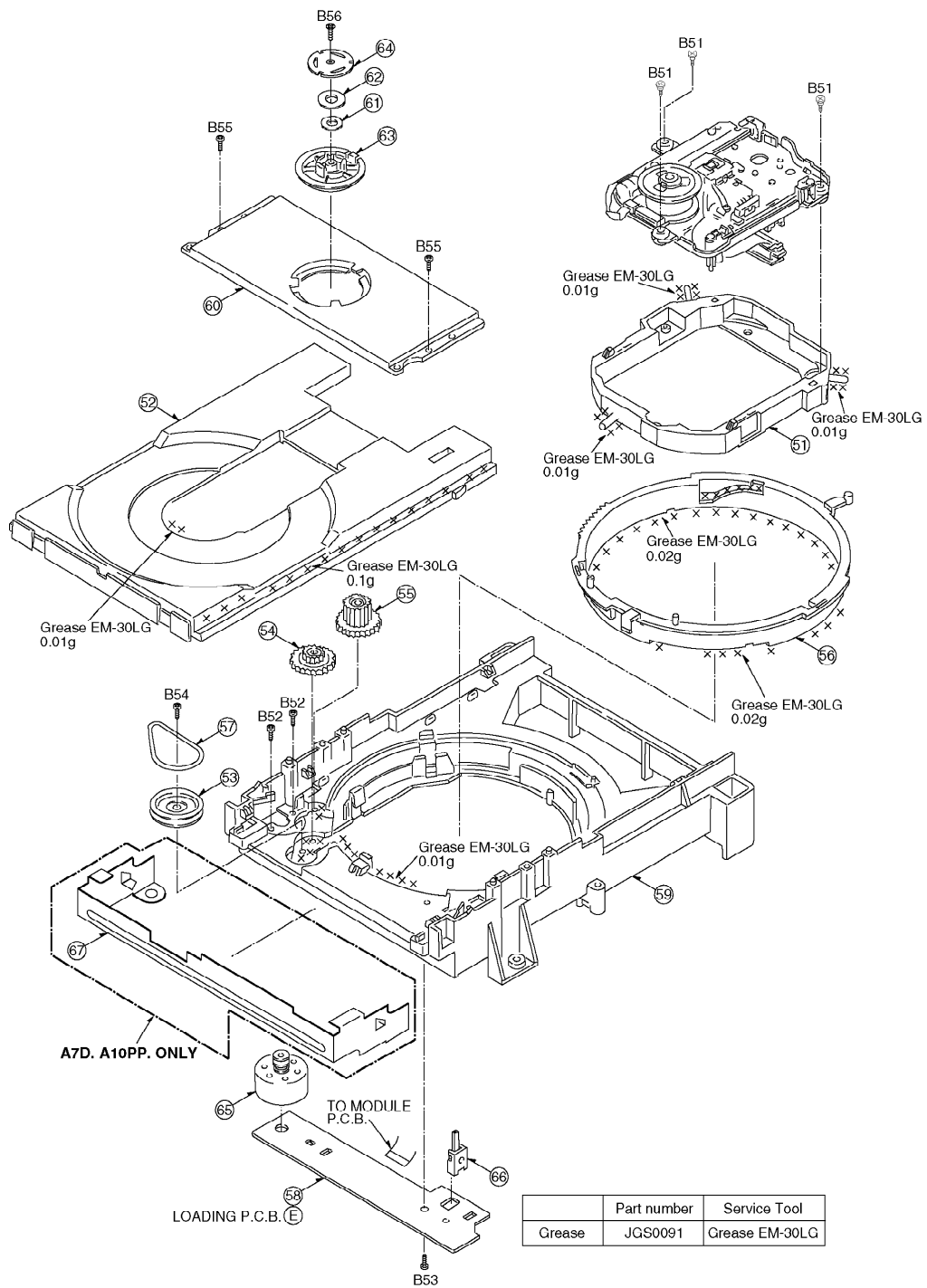
18. EXPLODED VIEWS

18.1. Casing Parts & Mechanism Section Exploded View



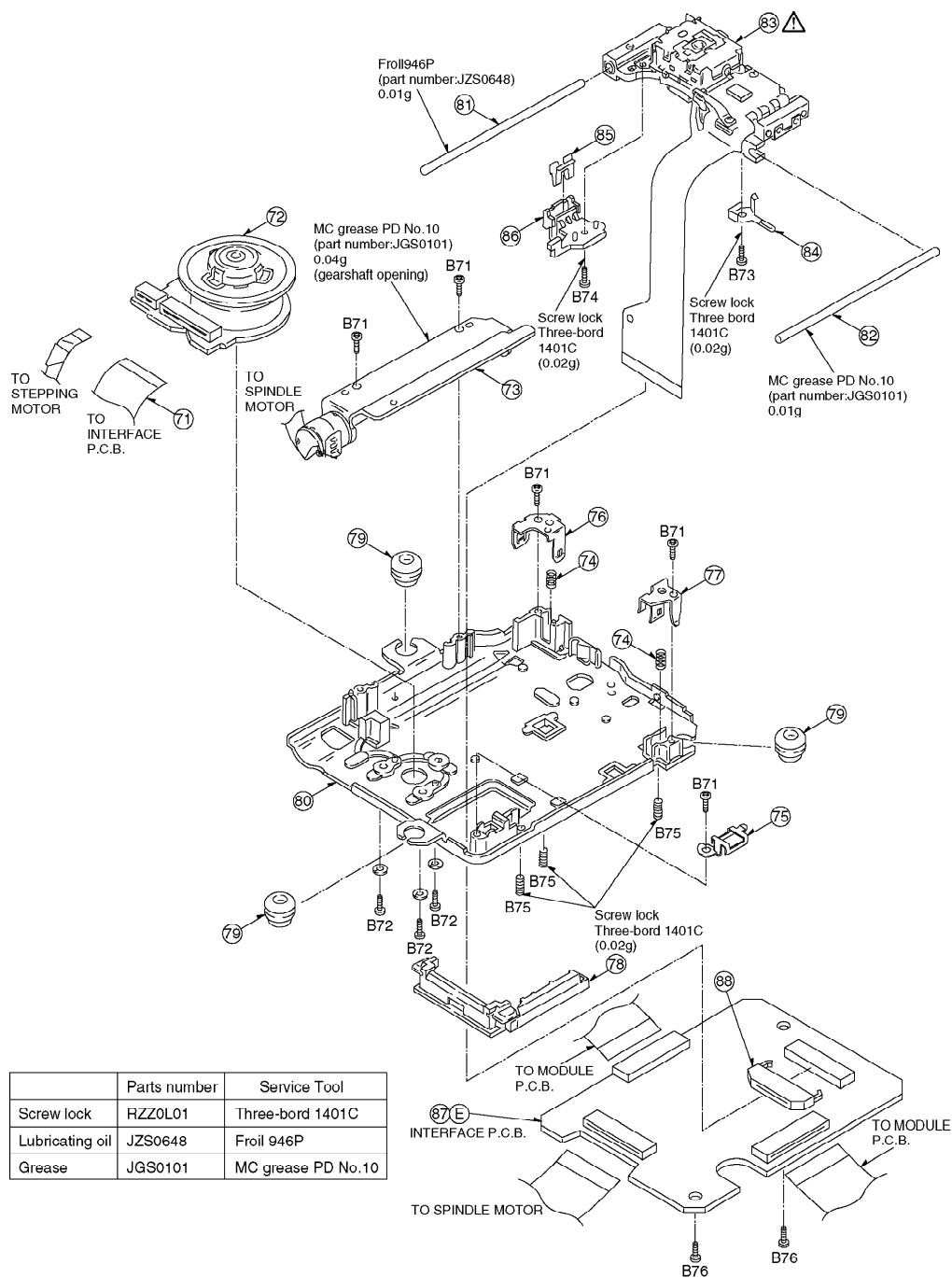
18.2. Loading Mechanism Section Exploded View

When replacing parts, lubricate the parts marked “xxx” in the diagram.

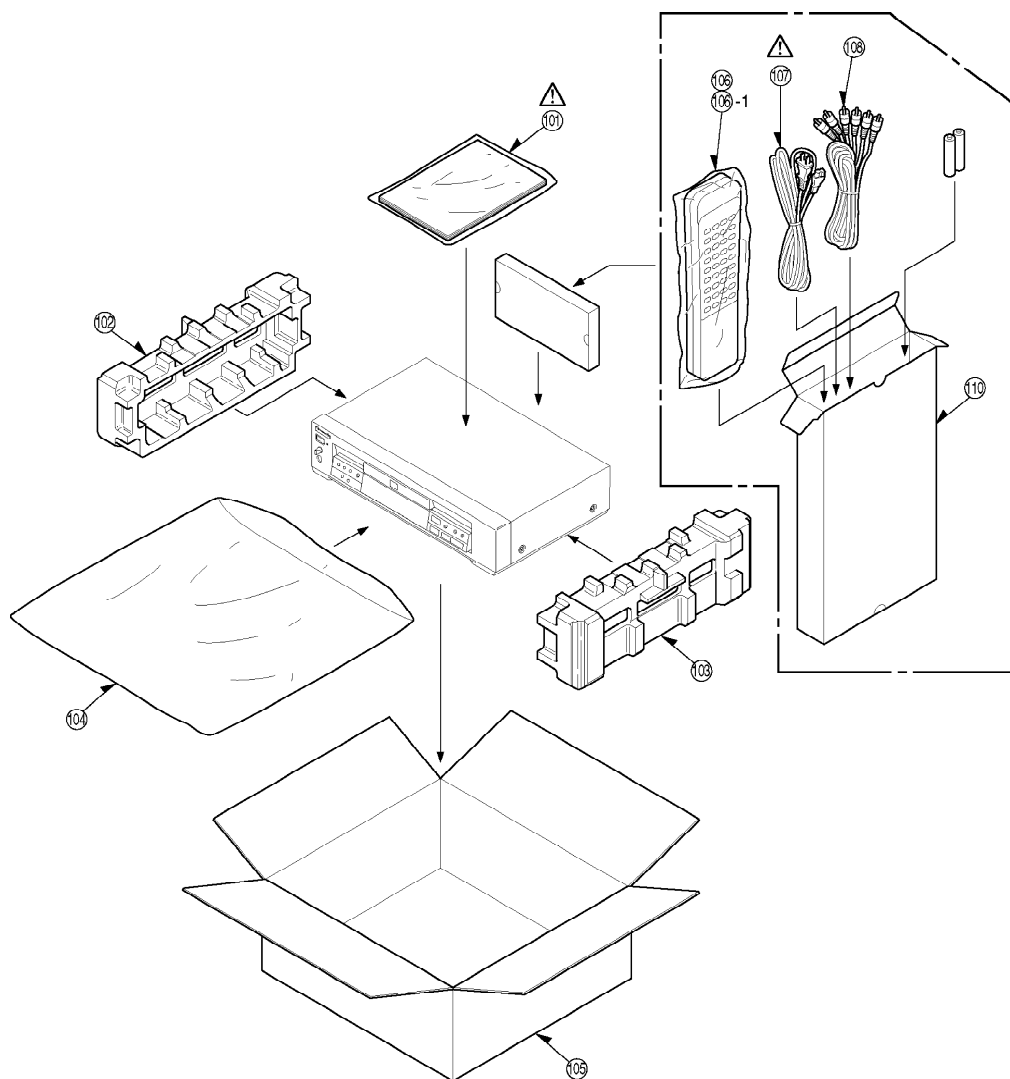


18.3. Traverse Section Exploded View

When replacing parts, lubricate the parts marked "xxx" in the diagram.



18.4. Packing & Accessories Section Exploded View



※ The illustration differs depending on the model.














19. REPLACEMENT PARTS LIST

19.1. Casing Parts & Mechanism Section Parts List

Note: 1. *Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE:
Components identified with the mark Δ have the special characteristics for safety. When replacing any of these components, use only the same type.


Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	VYF2662	TOP COVER	1	[SPC]7D 7EC 7EB
1	VYF2657	TOP COVER	1	[SPC]10PP 10EB 10EG
3	VKU0556	BOTTOM PLATE	1	[SPC]7EC 7EB
3	VKU0556	BOTTOM PLATE	3	[SPC]10PP 10EB 10EG
4	VKM5332	BOTTOM COVER	1	[SPC]7EC 7EB
4	VKM5312	BOTTOM COVER	1	[SPC]10PP 10EB 10EG
5	VYK5504	LEG	4	[SPC]
6	VEP91246A	POWER SUPPLY P.C.B.	1	[SPC](RTL)7D 10PP 
6	VEP91247A	POWER SUPPLY P.C.B.	1	[SPC](RTL)7EC 7EB 
6	VEP91247A	POWER SUPPLY P.C.B.	1	[SPC](RTL)10EB 10EG 
8	VEP99148A	MOTHER P.C.B.	1	[SPC](RTL)7D
8	VEP99148C	MOTHER P.C.B.	1	[SPC](RTL)7EC 7EB
8	VEP99148D	MOTHER P.C.B.	1	[SPC](RTL)10PP
8	VEP99148F	MOTHER P.C.B.	1	[SPC](RTL)10EB 10EG
9	VGU8365	POWER BUTTON	1	[SPC]7D 7EC 7EB
9	VGU8332	POWER BUTTON	1	[SPC]10PP 10EB 10EG
10	VMA0D96	REAR PANEL	1	[SPC]7D 
10	VMA0D97	REAR PANEL	1	[SPC]7EC 7EB 
10	VMA0E00	REAR PANEL	1	[SPC]10PP 
10	VMA0E01	REAR PANEL	1	[SPC]10EB 10EG 
11	VMD3305	SPACER	1	[SPC]
12	VEP93318A	V-COMP	1	[SPC](RTL)7D 10PP
13	VYF2658	TRAY TOP	1	[SPC]10PP 10EB 10EG
13	VYF2659	TRAY TOP	1	[SPC]7D 7EC 7EB
14	VEB0747E	VR JACK UNIT	1	[SPC](RTL)7D 7EC 7EB
14	VEB0747F	VR JACK UNIT	1	[SPC](RTL)10PP 10EB 10EG
15	VEP96575A	WHITE LED P.C.B.	2	[SPC](RTL)
17	VEP93319A	SCART P.C.B.	1	[SPC](RTL)7EC 7EB 10EB 10EG
18	VEP96573B	FRONT SWITCH P.C.B.	1	[SPC](RTL)
19	VWJ10AW140MM	10-PIN FLEXIBLE CABLE	1	[SPC]
20	VGL0864	HOLDER(P)	1	[SPC]7D 7EC 7EB
20	VGL0860	HOLDER(P)	1	[SPC]10PP 10EB 10EG
21	RGW0048-1K	VOLUME KNOB	1	[SPC]7D 7EC 7EB
21	VGU8354	VOLUME KNOB	1	[SPC]10PP 10EB 10EG
22	VKW2843	FRONT COVER	1	[SPC]
23	VYP7503	FRONT PANEL	1	[SPC]7D
23	VYP7506	FRONT PANEL	1	[SPC]7EC 7EB
23	VYP7512	FRONT PANEL	1	[SPC]10PP
23	VYP7535	FRONT PANEL	1	[SPC]10EB 10EG
24	VGL0861	HOLDER(S)	1	[SPC]
25	VGU8361	OPERATION BUTTON(A)	1	[SPC]7D 7EC 7EB
25	VGU8366	OPERATION BUTTON(A)	1	[SPC]10PP 10EB 10EG
26	VGU8362	OPERATION BUTTON(B)	1	[SPC]7D 7EC 7EB
26	VGU8329	OPERATION BUTTON(B)	1	[SPC]10PP 10EB 10EG
27	VGU8363	OPERATION BUTTON(C)	1	[SPC]7D 7EC 7EB
28	VGU8364	OPERATION BUTTON(D)	1	[SPC]7D 7EC 7EB
28	VGU8331	OPERATION BUTTON(D)	1	[SPC]10PP 10EB 10EG
29	RFKBDVDA7D	MODULE P.C.B.	1	[SPC](RTL)7D
29	RFKBDVDA7E	MODULE P.C.B.	1	[SPC](RTL)7EC 7EB
29	RFKBDVDA10D	MODULE P.C.B.	1	[SPC](RTL)10PP
29	RFKBDVDA10E	MODULE P.C.B.	1	[SPC](RTL)10EB 10EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
30	VWJ1382	7-PIN FLEXIBLE CABLE	1	[SPC]
31	VGQ5524	FL SHEET	1	[SPC]
33	VMX2001	SPACER	2	[SPC]
34	VMA0D70	MODULE P.C.B. HOLDER	1	[SPC]
35	VWJ1370	15-PIN FLEXIBLE CABLE	1	[SPC]7D 7EC 7EB
35	VWJ1371	17-PIN FLEXIBLE CABLE	1	[SPC]10PP 10EB 10EG
36	VEE0J39-1N	10-PIN FLEXIBLE CABLE	1	[SPC]
37	VWJ22E7100BB	22-PIN FLEXIBLE CABLE	1	[SPC]
38	VWJ20E7100BB	20-PIN FLEXIBLE CABLE	1	[SPC]
39	VWJ1383	21-PIN FLEXIBLE CABLE	1	[SPC]7D 7EC 7EB
39	VWJ1444	21-PIN FLEXIBLE CABLE	1	[SPC]10PP 10EB 10EG
40	VWJ1378	17-PIN FLEXIBLE CABLE	1	[SPC]7D 7EC 7EB
40	VWJ1445	17-PIN FLEXIBLE CABLE	1	[SPC]10PP 10EB 10EG
41	VGL0863	HOLDER(B)	1	[SPC]
42	VGL0862	PRISM	2	[SPC]
43	VJR3	CLAMPER	1	[SPC]
45	VEE0J40	6-PIN FLEXIBLE CABLE	1	[SPC]10PP 10EB 10EG
46	VMA0D77	PLATE	1	[SPC]10PP 10EB 10EG
47	VTP0538	R-CORE TRANS	1	[SPC]10PP
47	VTP0539	R-CORE TRANS	1	[SPC]10EB 10EG 
48	VEP91248A	R-CORE P.C.B.	1	[SPC](RTL)10PP 10EB 10EG 
49	VGf0837	UPPER SHIELD COVER	1	[SPC]
50	VGf0838	LOWER SHIELD COVER	1	[SPC]
51	VMD3270	INTERMEDIATE CHASSIS	1	[SPC]
52	VMD3766	TRAY	1	[SPC]
53	VDG1308	PULLEY GEAR	1	[SPC]
54	VDG1309	DECELERATION GEAR	1	[SPC]
55	VDG1310	DRIVE GEAR	1	[SPC]
56	VDK0156	VERTICAL CAM	1	[SPC]
57	VDV0373	BELT	1	[SPC]
58	VEP90407A	LOADING P.C.B.	1	[SPC](RTL)
59	VMD3266	LOADING BASE	1	[SPC]
60	VMD3263	CLAMPER BASE	1	[SPC]
61	JSM0048	MAGNET	1	[SPC]
62	VMA9535	CLAMPER BACK YOKE	1	[SPC]
63	VMD3264	CLAMPER	1	[SPC]
64	VMA0B93	CLAMPER WEIGHT	1	[SPC]
65	VEM0664	LOADING MOTOR UNIT	1	[SPC]
66	VSH0170	DOUBLE SWITCH	1	[SPC]
67	VMA0C12	SHIELD PLATE	1	[SPC]7D 10PP
71	VWJ1277	SPINDLE FFC	1	[SPC]
72	VEM0665	SPINDLE MOTOR UNIT	1	[SPC]
73	VEM0666	STEPPING MOTOR UNIT	1	[SPC]
74	VMB3278	TILT SPRING	2	[SPC]
75	VMC1487	SUB-SHAFT TILT SPRING	1	[SPC]
76	VMC1606	SPRING HOLDER 1	1	[SPC]
77	VMC1607	SPRING HOLDER 2	1	[SPC]
78	VMD3261	FPC HOLDER	1	[SPC]
79	VMG1166	FLOATING RUBBER	3	[SPC]
80	VMK0474	TRAVERSE CHASSIS	1	[SPC]
81	VMS6471	GUIDE SHAFT 1	1	[SPC]
82	VMS6472	GUIDE SHAFT 2	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
83	VED0402-1	OPTICAL PICK-UP	1	[SPC] 
84	VMC1491	SUB-SHAFTPRELOAD SPRING	1	[SPC]
85	VMC1490	SCREW NUT	1	[SPC]
86	VMD3260	NUT	1	[SPC]
87	VEP90443A	INTERFACE P.C.B.	1	[SPC](RTL)
88	VMD3262	CONNECTION HOLDER	1	[SPC]
101	VQT8354	OPERATING INSTRUCTIONS	1	[SPC]7D 
101	VQT8355	OPERATING INSTRUCTIONS	1	[SPC]7EC 7EB 
101	VQT8358	OPERATING INSTRUCTIONS	1	[SPC]10PP 
101	VQT8359	OPERATING INSTRUCTIONS	1	[SPC]10EG 
101	VQT8360	OPERATING INSTRUCTIONS	1	[SPC]7EC 
101	VQT8363	OPERATING INSTRUCTIONS	1	[SPC]10EG 
101	VQT8385	OPERATING INSTRUCTIONS	1	[SPC]10EG 
101	VQT8386	OPERATING INSTRUCTIONS	1	[SPC]10EG 
101	VQT8399	OPERATING INSTRUCTIONS	1	[SPC]10EB 
102	VPN5296	CUSHION(L)	1	[SPC]7D
102	VPN5298	CUSHION(L)	1	[SPC]7EC 7EB
102	VPN5305	CUSHION(L)	1	[SPC]10PP 10EB 10EG
103	VPN5297	CUSHION(R)	1	[SPC]7D
103	VPN5299	CUSHION(R)	1	[SPC]7EC 7EB
103	VPN5306	CUSHION(R)	1	[SPC]10PP 10EB 10EG
104	VPF0693	POLYETHYLENE BAG	1	[SPC]7EC 7EB 10EB 10EG
104	VPF0731	POLYETHYLENE BAG	1	[SPC]7D 10PP
105	VPG0B61	PACKING CASE	1	[SPC]7D
105	VPG0B62	PACKING CASE	1	[SPC]7EC
105	VPG0B63	PACKING CASE	1	[SPC]7EB
105	VPG0B65	PACKING CASE	1	[SPC]10PP
105	VPG0B66	PACKING CASE	1	[SPC]10EG
105	VPG0B90	PACKING CASE	1	[SPC]10EB
106	VEQ2363	REMOTE CONTROL UNIT	1	[SPC]7D
106	VEQ2364	REMOTE CONTROL UNIT	1	[SPC]7EC 7EB
106	VEQ2366	REMOTE CONTROL UNIT	1	[SPC]10PP
106	VEQ2368	REMOTE CONTROL UNIT	1	[SPC]10EB 10EG
106-1	103RRC12601R	BATTERY COVER	1	[SPC]7D 7EC 7EB
106-1	103RRC12602R	BATTERY COVER	1	[SPC]10PP 10EB 10EG
107	VJA0664	AC CORD	1	[SPC]7EC 10EG 
107	VJA0940	AC CORD	1	[SPC]7EB 10EB 
107	VJA1095	AC CORD	1	[SPC]7D 10PP 
108	VJA1062	A/V CORD	1	[SPC]
110	VPK1891Z	ACCESSORY CASE	1	[SPC]7D 10PP 7EC 10EG
110	VPK2227Z	ACCESSORY CASE	1	[SPC]7EB 10EB
B1	VHD0690	SCREW	3	[SPC]
B2	VHD1041	SCREW	4	[SPC]7D 7EC 7EB
B2	VHD1094	SCREW	4	[SPC]10PP 10EB 10EG
B3	XTV3+8G	SCREW	5	[SPC]7D 7EC 7EB
B3	XTV3+15G	SCREW	4	[SPC]10PP 10EB 10EG
B4	XTV3+8G	SCREW	4	[SPC]
B5	XTV3+14JFZ	SCREW	2	[SPC]A7EC A7EB
B6	VHD0690	SCREW	12	[SPC]7D 10PP

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
B6	VHD0690	SCREW	14	[SPC]7EC 7EB 10EB 10EG
B7	XVE3+EF12	SCREW	5	[SPC]
B8	XVE3+EF20	SCREW	2	[SPC]
B9	XVE3+EF25	SCREW	4	[SPC]
B10	XVE3+EF8	SCREW	4	[SPC]
B11	XTV3+8G	SCREW	13	[SPC]
B13	XTV3+6J	SCREW	1	[SPC]10PP 10EB 10EG
B14	XTW3+16T	SCREW	5	[SPC]10PP 10EB 10EG
B15	XTW3+20TFZ	SCREW	3	[SPC]10PP 10EB 10EG
B51	VHD1223	SCREW	3	[SPC]
B52	XQNC17+3	SCREW	2	[SPC]
B53	XTV3+10G	SCREW	1	[SPC]
B54	VHD1330	SCREW	1	[SPC]
B55	XTV3+10G	SCREW	2	[SPC]
B56	XTS3+6J	SCREW	1	[SPC]
B71	VHD1224	SCREW	5	[SPC]
B72	VHD1295	SCREW	3	[SPC]
B73	VHD1057	SCREW	1	[SPC]
B74	XQNC17+3	SCREW	1	[SPC]
B75	XXE26C6FN	SCREW	3	[SPC]
B76	VHD1224	SCREW	2	[SPC]

19.2. Electrical Replacement Parts List

Note: 1. Be sure to make your orders of replacement parts according to this list.
2. IMPORTANT SAFETY NOTICE: Components identified with the mark  have the special characteristics for safety. When replacing any of these components, use only the same type.
3. Unless otherwise specified,
All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICROFARADS (uf), P=μF.
4. The P.C. Board units marked with "■" show below the main assembled parts.
5. The marking (RTL) indicates the retention time is limited for this item.
After the discontinuation of this assembly in production, it will no longer be available.
6. [SPC] indicates in Remarks columns parts that are supplied by SPC.

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1003	ECQU2A104MV	P.CAPACITOR 250V 0.01U	1	[SPC]7EC,7EB,10EB,10EG
C1003	VCF0183M683	METALLIZED FILM CAPACITOR	1	[SPC]7D,10PP
C1005	VCK0286B471	CERAMIC CAPACITOR	1	[SPC]7EC,7EB,10EB,10EG
C1005	VCK0299E102	CERAMIC CAPACITOR	1	[SPC]7D,10PP
C1008	VCK0286B471	CERAMIC CAPACITOR	1	[SPC]7EC,7EB,10EB,10EG
C1008	VCK0299E102	CERAMIC CAPACITOR	1	[SPC]7D,10PP
C1010	VCK0286E102	CERAMIC CAPACITOR	1	[SPC]7EC,7EB,10EB,10EG
C1010	VCK0299E222	CERAMIC CAPACITOR	1	[SPC]7D,10PP
C1011	ECQU2A104MV	P.CAPACITOR 250V 0.01U	1	[SPC]7EC,7EB,10EB,10EG
C1011	VCF0183M683	METALLIZED FILM CAPACITOR	1	[SPC]7D,10PP
C1018	ECEC2GG680	E.CAPACITOR 400V 68U	1	[SPC]7EC,7EB,10EB,10EG
C1019	ECA2EGE101	E.CAPACITOR 250V 100U	1	[SPC]7D,10PP
C1021	ECKD2H103PU	C.CAPACITOR 500V 0.01U	1	[SPC]
C1022	ECCZ3A121KGE	C.CAPACITOR 1KV 120P	1	[SPC]
C1031	VCEA1VJC470	E.CAPACITOR 35V 47U	1	[SPC]
C1041	ECQB1H103JF	P.CAPACITOR 50V 0.01U	1	[SPC]
C1052	ECKF1H102KB	C.CAPACITOR 50V 1000P	1	[SPC]
C1053	VCEA0JJC331	E.CAPACITOR 6.3V 330U	1	[SPC]
C1101	ECQV1H104JL	P.CAPACITOR 50V 0.1U	1	[SPC]
C1111	EEUFA1A182	E.CAPACITOR 10V 1800U	1	[SPC]7EC,7EB,10EB,10EG
C1111	VCEA1AJH182	E.CAPACITOR 10V 1800U	1	[SPC]7D,10PP
C1112	EEUFA1A182	E.CAPACITOR 10V 1800U	1	[SPC]7EC,7EB,10EB,10EG
C1112	VCEA1AJH182	E.CAPACITOR 10V 1800U	1	[SPC]7D,10PP

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C1114	VCEA1AJC222	E.CAPACITOR 10V 2200U	1	[SPC]
C1115	ECFR1E104ZF5	C.CAPASITOR 25V 0.1U	1	[SPC]
C1116	VCEA1AJC221	E.CAPACITOR 10V 220U	1	[SPC]
C1117	ECA1APX221B	E.CAPACITOR 10V 220U	1	[SPC]
C1121	ECA0JM102	E.CAPACITOR 6.3V 1000U	1	[SPC]
C1131	ECEA1VAU221	E.CAPACITOR 35V 220U	1	[SPC]
C1133	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C1141	ECEA1VAU221	E.CAPACITOR 35V 220U	1	[SPC]
C1143	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C1151	ECA1EAT821	E.CAPACITOR 25V 820U	1	[SPC]
C1153,54	ECA1EPX101B	E.CAPACITOR 25V 100U	2	[SPC]
C1161	VCEA1HJH820	E.CAPACITOR 50V 82U	1	[SPC]
C1171	VCEA1AJH331	E.CAPACITOR 10V 330U	1	[SPC]
C1201	ECHR1H103JZ	P.CAPACITOR 50V 0.01U	1	[SPC]
C1202	ECESX1E472M	E.CAPACITOR 25V 4700U	1	[SPC]
C1203	ECBA1H102KB5	C.CAPACITOR 50V 1000P	1	[SPC]
C1204	VCEA1CFG221	E.CAPACITOR 16V 220U	1	[SPC]
C1211	ECHR1H103JZ	P.CAPACITOR 50V 0.01U	1	[SPC]
C1212,13	ECESX1V222K	E.CAPACITOR 25V 2200U	2	[SPC]
C1218,19	ECHR1H102JZ	P.CAPACITOR 50V 1000P	2	[SPC]
C1220,21	VCEA1EFG470	E.CAPACITOR 25V 47U	2	[SPC]
C1222,23	ECA1HBX3R3B	E.CAPACITOR 50V 3.3	2	[SPC]
C1224,25	ECHR1H271JZ	P.CAPACITOR 50V 270P	2	[SPC]
C1226,27	ECA1HPXS100	E.CAPACITOR 25V 10U	2	[SPC]
C1228,29	ECA1EPX101B	E.CAPACITOR 25V 100U	2	[SPC]
C1230,31	ECHR1H103JZ	P.CAPACITOR 50V 0.01U	2	[SPC]
C2001	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	[SPC]
C2002-05	ECUX1C393KBV	C.CAPACITOR CH 16V 0.039U	4	[SPC]
C2006	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	[SPC]
C2007,08	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C2009	ECUX1H470JCV	C.CAPACITOR CH 50V 47P	1	[SPC]
C2010	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2012	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	F1H1H3310005 [SPC]
C2015	ECUX1H330JCV	C.CAPACITOR CH 50V 33P	1	[SPC]
C2016	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2019-21	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C2022	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	[SPC]
C2023,24	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C2025,26	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	2	[SPC]
C2027	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2028	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	[SPC]
C2029	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2030	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	[SPC]
C2031	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2032,33	ECYX1H821JCV	C.CAPACITOR CH 50V 820P	2	[SPC]
C2034	ECUX1H271JCV	C.CAPACITOR CH 50V 270P	1	[SPC]
C2036	ECUX1H471JCV	C.CAPACITOR CH 50V 470P	1	[SPC]
C2037	ECUX1H331JCV	C.CAPACITOR CH 50V 330P	1	F1H1H3310005 [SPC]
C2038	ECYX1H821JCV	C.CAPACITOR CH 50V 820P	1	[SPC]
C2040	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	[SPC]
C2041,42	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C2043,44	ECUX1C823KBV	C.CAPACITOR CH 16V 0.082U	2	[SPC]
C2045	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2046,47	ECUX1C104ZV	C.CAPACITOR CH 16V 0.1U	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2500	ECEV1CA101W	E.CAPACITOR CH 16V 100U	1	[SPC]
C2501	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	[SPC]
C2502	ECEV0JA331P	E.CAPACITOR CH6.3V 330U	1	[SPC]
C2503-05	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	3	[SPC]
C2506	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2507,08	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C2509	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C2510-12	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C2513-26	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	14	[SPC]
C3001-03	ECEV0JA331P	E.CAPACITOR CH6.3V 330U	3	[SPC]
C3004	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	[SPC]
C3005,06	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3007,08	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	[SPC]
C3009-11	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C3012,13	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	[SPC]
C3014,15	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3016	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	1	[SPC]
C3017-20	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C3021,22	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	[SPC]
C3023,24	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3025,26	ECUX1A105ZFV	C.CAPACITOR CH 10V 1U	2	[SPC]
C3027-35	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	9	[SPC]
C3036-42	ECUX1H220JCV	C.CAPACITOR CH 50V 22P	7	[SPC]
C3043-45	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C3051	ECEV0JA331P	E.CAPACITOR CH6.3V 330U	1	[SPC]
C3052-55	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	4	[SPC]
C3056-58	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C3061-64	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C3065	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	[SPC]
C3066	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3071-74	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C3075	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	[SPC]
C3076,77	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3081	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3082	ECST0JY106Z	T.CAPACITOR CH 6.3V 10U	1	[SPC]
C3091	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3092	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3093	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	[SPC]
C3094	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3095	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C3096,97	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3201-09	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	9	[SPC]
C3211	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3221	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3231	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3241,41	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]7EC,7EB,10EB,10EG
C3251-54	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C3255	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3256	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	[SPC]
C3257-60	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C3261	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3271,72	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3281	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	[SPC]
C3282,83	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3284-86	EEVHB0J101	E.CAPACITOR 6.3V 100U	3	[SPC]
C3287	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3301	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3302	EEVHB1C100	E.CAPACITOR 16V 10U	1	[SPC]
C3303,04	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3305	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C3306	ECUM1A105KBN	C.CAPACITOR CH 10V 1U	1	[SPC]
C3307-11	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	5	[SPC]
C3321	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3322	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3323,24	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C3326	ECUX1C104ZFB	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C3500	ECA0JM471	E.CAPACITOR 6.3V 470U	1	[SPC]
C3501	ECA0JM221	E.CAPACITOR 6.3V 220U	1	[SPC]
C3502	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3504-06	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	[SPC]
C3511	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3512-14	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	[SPC]
C3531	ECA0JM221	E.CAPACITOR 6.3V 220U	1	[SPC]
C3532	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3533	ECEA1CKA470	E.CAPACITOR 16V 47U	1	[SPC]
C3534	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3535	ECA0JM221	E.CAPACITOR 6.3V 220U	1	[SPC]
C3536	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3537	ECEA1CKA100	E.CAPACITOR 16V 10U	1	[SPC]
C3538	ECA0JM102	E.CAPACITOR 6.3V 1000U	1	[SPC]
C3539	ECEA1CKA100	E.CAPACITOR 16V 10U	1	[SPC]
C3540	ECA0JM102	E.CAPACITOR 6.3V 1000U	1	[SPC]
C3541,42	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	2	[SPC]
C3549,50	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	[SPC]
C3551	ECA0JM221	E.CAPACITOR 6.3V 220U	1	[SPC]
C3552	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3554	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]7EC,7EB,10EB,10EG
C3562	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3572	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3581	ECEA0JKA221	E.CAPACITOR 6.3V 220U	1	[SPC]7D,10PP
C3582	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]7D,10PP
C3585	ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	[SPC]7D,10PP
C3586	ECEA1CKA220	E.CAPACITOR 16V 22U	1	[SPC]7D,10PP
C3587	ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	[SPC]7D,10PP
C3588	ECEA1CKA220	E.CAPACITOR 16V 22U	1	[SPC]7D,10PP
C3601	ECUM1H180JCN	C.CAPACITOR CH 50V 18P	1	[SPC]
C3602	ECUM1H103KBN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3603	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3604	ECEA1CKA330	E.CAPACITOR 16V 33U	1	[SPC]
C3605	ECEA1HKA010	E.CAPACITOR 50V 1U	1	[SPC]
C3606	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3607	ECEA1CKA101	E.CAPACITOR 16V 100U	1	[SPC]
C3608	ECA0JM471	E.CAPACITOR 6.3V 470U	1	[SPC]
C3609	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C3801	ECEA1EKA470	E.CAPACITOR 25V 47U	1	[SPC]7EC,7EB,10EB,10EG
C3802	ECEA1CKA470	E.CAPACITOR 16V 47U	1	[SPC]7EC,7EB,10EB,10EG
C3803	ECEA1EKA470	E.CAPACITOR 25V 47U	1	[SPC]7EC,7EB,10EB,10EG
C3804,05	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]7EC,7EB,10EB,10EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3806	ECEA1CKA470	E.CAPACITOR 16V 47U	1	[SPC]7EC,7EB,10EB,10EG
C3811-16	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	6	[SPC]7EC,7EB,10EB,10EG
C3821-24	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	[SPC]7EC,7EB,10EB,10EG
C3831	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]7EC,7EB,10EB,10EG
C3832	ECEA1CKA101	E.CAPACITOR 16V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3833	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	[SPC]7EC,7EB,10EB,10EG
C3834	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3835,36	ECEA0JKA331	E.CAPACITOR 6.3V 330U	2	[SPC]7EC,7EB,10EB,10EG
C3837	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3838	ECEA1HKA4R7	E.CAPACITOR 50V 4.7U	1	[SPC]7EC,7EB,10EB,10EG
C3839	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]7EC,7EB,10EB,10EG
C3840	ECEA1CKA101	E.CAPACITOR 16V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3841-43	ECEA1AKN470	E.CAPACITOR 10V 47U	3	[SPC]7EC,7EB,10EB,10EG
C3844	ECEA1CKA220	E.CAPACITOR 16V 22U	1	[SPC]7EC,7EB,10EB,10EG
C3845	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3846	ECEA1CKA220	E.CAPACITOR 16V 22U	1	[SPC]7EC,7EB,10EB,10EG
C3847	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3848	ECEA1CKA220	E.CAPACITOR 16V 22U	1	[SPC]7EC,7EB,10EB,10EG
C3849	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]7EC,7EB,10EB,10EG
C3871,72	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]7EC,7EB,10EB,10EG
C3873	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	[SPC]7EC,7EB,10EB,10EG
C3874	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	[SPC]7EC,7EB,10EB,10EG
C3875	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	[SPC]7EC,7EB,10EB,10EG
C3876	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	1	[SPC]7EC,7EB,10EB,10EG
C3881,82	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]7EC,7EB,10EB,10EG
C3883-86	ECUM1H471JCN	C.CAPACITOR CH 50V 470P	4	[SPC]7EC,7EB,10EB,10EG
C4101	VCE0209B156	E.CAPACITOR 6V 15U	1	[SPC]
C4102-07	ECUX1C104ZFN	C.CAPACITOR CH 16V 0.1U	6	[SPC]
C4151	VCE0209B156	E.CAPACITOR 6V 15U	1	[SPC]
C4152-55	ECUX1C104ZFN	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C4156,57	ECUX1H080DCV	C.CAPACITOR CH 50V 8P	2	[SPC]
C4201	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4202	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4203	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	[SPC]
C4204	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	[SPC]
C4205	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C4206	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	[SPC]
C4207	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4208	ECUM1H101JCN	C.CAPACITOR CH 50V 100P	1	[SPC]
C4209	ECUM1H030CCN	C.CAPACITOR CH 50V 3P	1	[SPC]
C4211,12	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4213	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4214	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	[SPC]
C4215	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	[SPC]
C4216	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4217,18	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4220,21	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4222,23	VCEA1EFG221	C.CAPACITOR CH 25V 220U	2	[SPC]
C4226,27	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4230,31	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4232	ECA1CPX102	E.CAPACITOR 16V 1000U	1	[SPC]
C4232	ECA1CPXS102	E.CAPACITOR 16V 1000U	1	[SPC]
C4233,34	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	2	[SPC]
C4235-42	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	8	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4243,44	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	[SPC]
C4245	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
C4246,47	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4248,49	ECA1EPX221	E.CAPACITOR 25V 220U	2	[SPC]
C4251-53	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	3	[SPC]
C4254	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4256	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4257	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4258-60	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4261	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4262	ECA1CAK470X	E.CAPACITOR 16V 47U	1	[SPC]
C4263,64	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4265	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4267	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4268	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4269,70	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4271	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4272	ECA1CAK470X	E.CAPACITOR 16V 47U	1	[SPC]
C4273,74	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4275	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4277	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4278	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4279,80	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4281	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4282,83	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4284	ECA1CAK100X	E.CAPACITOR 16V 10U	1	[SPC]
C4285	ECA1CAK470X	E.CAPACITOR 16V 47U	1	[SPC]
C4286-91	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	6	[SPC]
C4292	ECA1EPXS221	E.CAPACITOR 25V 220U	1	[SPC]
C4292	VCEA1EFG221	C.CAPACITOR CH 25V 220U	1	[SPC]
C4293	ECA1CPX102E	E.CAPACITOR 16V 1000U	1	[SPC]
C4293	ECA1CPXS102E	E.CAPACITOR 16V 1000U	1	[SPC]
C4294	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4296	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4297	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4298	ECUM1H102ZFN	C.CAPACITOR CH 50V 1000P	1	[SPC]
C4300	ECA1CAK470X	E.CAPACITOR 16V 47U	1	[SPC]
C4301,02	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	2	[SPC]
C4303-06	ECA1CAK470X	E.CAPACITOR 16V 47U	4	[SPC]
C4307,08	ECHR1H103JZ	P.CAPACITOR 50V 0.01U	2	[SPC]
C4309,10	ECA1CAK470X	E.CAPACITOR 16V 47U	2	[SPC]
C4311,12	ECHR1H103JZ	P.CAPACITOR 50V 0.01U	2	[SPC]
C4313	ECHR1H561JZ	P.CAPACITOR 50V 560P	1	[SPC]
C4314	ECA1CAK470X	E.CAPACITOR 16V 47U	1	[SPC]
C4315	ECHR1H181JZ	P.CAPACITOR 50V 180P	1	[SPC]
C4315	ECHR1H331JZ	P.CAPACITOR 50V 330P	1	[SPC]
C4316	ECHR1H181JZ	P.CAPACITOR 50V 180P	1	[SPC]
C4316	ECHR1H331JZ	P.CAPACITOR 50V 330P	1	[SPC]
C4317	ECHR1H181JZ3	P.CAPACITOR 50V 180P	1	[SPC]
C4317	ECHR1H331JZ	P.CAPACITOR 50V 330P	1	[SPC]
C4318	ECHR1H181JZ	P.CAPACITOR 50V 180P	1	[SPC]
C4318	ECHR1H331JZ	P.CAPACITOR 50V 330P	1	[SPC]
C4319-22	ECHR1H101JZ	P.CAPACITOR 50V 100P	4	[SPC]
C4323,24	ECHR1H102JZ	P.CAPACITOR 50V 1000P	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4325	ECHR1H561JZ3	P.CAPACITOR 50V 560P	1	[SPC]
C4326	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4327,28	ECHR1H102JZ	P.CAPACITOR 50V 1000P	2	[SPC]
C4329	ECHR1H561JZ	P.CAPACITOR 50V 560P	1	[SPC]
C4330	ECHR1H561JZ3	P.CAPACITOR 50V 560P	1	[SPC]
C4331-34	ECHR1H101JZ	P.CAPACITOR 50V 100P	4	[SPC]
C4335	ECHR1H222JZ	P.CAPACITOR 50V 2200P	1	[SPC]
C4335	ECHR1H272JZ	P.CAPACITOR 50V 2700P	1	[SPC]
C4336	ECHR1H222JZ	P.CAPACITOR 50V 2200P	1	[SPC]
C4336	ECHR1H272JZ	P.CAPACITOR 50V 2700P	1	[SPC]
C4337-40	ECA1CAK470X	E.CAPACITOR 16V 47U	4	[SPC]
C4341	ECHR1H181JZ	P.CAPACITOR 50V 180P	1	[SPC]
C4341	ECHR1H271JZ	P.CAPACITOR 50V 270P	1	[SPC]
C4342	ECHR1H181JZ3	P.CAPACITOR 50V 180P	1	[SPC]
C4342	ECHR1H271JZ	P.CAPACITOR 50V 270P	1	[SPC]
C4343,44	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	2	[SPC]
C4346	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4347,48	ECHR1H102JZ	P.CAPACITOR 50V 1000P	2	[SPC]
C4349	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C4349	VCEA1EAE101	E.CAPACITOR 25V 100U	1	[SPC]
C4350	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C4350	VCEA1EAE101	E.CAPACITOR 25V 100U	1	[SPC]
C4353,54	ECA1CAK470X	E.CAPACITOR 16V 47U	2	[SPC]
C4356	ECWM1H102JZ	C.CAPACITOR CH 50V 1000P	1	[SPC]
C4357	ECHR1H101JZ	C.CAPACITOR CH 50V 100U	1	[SPC]
C4358	ECQB1H101JZ	C.CAPACITOR 50V 100U	1	[SPC]
C4359	ECHR1H102JZ	P.CAPACITOR 50V 1000P	1	[SPC]
C4360,61	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4362	ECHR1H101JZ	C.CAPACITOR 50V 100U	1	[SPC]
C4363	ECQB1H101JZ	C.CAPACITOR 50V 100U	1	[SPC]
C4364,65	ECA1CAK470X	E.CAPACITOR 16V 47U	2	[SPC]
C4366-71	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	6	[SPC]
C4373	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C4376-85	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	10	[SPC]
C4386	ECA1EPX101B	E.CAPACITOR 25V 100U	1	[SPC]
C4388,89	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	2	[SPC]
C4390-92	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4394-96	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4398-00	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4403,04	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4405	ECA1HPXS101	E.CAPACITOR 50V 100U	1	[SPC]
C4405	VCEA1EAE101	E.CAPACITOR 25V 100U	1	[SPC]
C4406	ECA1HPXS101	E.CAPACITOR 50V 100U	1	[SPC]
C4406	VCEA1EAE101	E.CAPACITOR 25V 100U	1	[SPC]
C4413-15	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4420-23	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	4	[SPC]
C4424,25	ECUM1C105KBM	C.CAPACITOR CH 16V 1U	2	[SPC]
C4426-29	ECEA1HKN010	E.CAPACITOR 50V 1U	4	[SPC]
C4430,31	ECFF1E104ZF	C.CAPACITOR 25V 0.1U	2	[SPC]
C4433	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4435-37	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4438	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	[SPC]
C4439	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4440	ECUM1H220JCN	C.CAPACITOR CH 50V 22P	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4441	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4443	ECFR1E104ZF5	C.CAPASITOR 25V 0.1U	1	[SPC]
C4552	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4591	ECEA0JKA101	E.CAPACITOR 6.3V 100U	1	[SPC]
C4736,37	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C4738,39	ECEA1AKA101	E.CAPACITOR 10V 100U	2	[SPC]
C4741-43	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	3	[SPC]
C4744,45	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	2	[SPC]
C4754	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4755	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4756	RCE0JSA470BX	E.CAPACITOR 6.3V 47U	1	[SPC]
C4757	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4758	ECUM1H121JCN	C.CAPACITOR CH 50V 120P	1	[SPC]
C4760	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4765	VCEA1AFG470	E.CAPACITOR 10V 47U	1	[SPC]
C4766	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4767	ECUM1H470JCN	C.CAPACITOR CH 50V 47P	1	[SPC]
C4768	ECUM1H820JCN	C.CAPACITOR CH 50V 82P	1	[SPC]
C4769	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C4770	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C4901	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4901	ECA1EPXS221	E.CAPACITOR 25V 220U	1	[SPC]
C4902	ECA1CPX102	E.CAPACITOR 16V 1000U	1	[SPC]
C4902	ECA1CPXS102	E.CAPACITOR 16V 1000U	1	[SPC]
C4911	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4911	ECA1EPXS221	E.CAPACITOR 25V 220U	1	[SPC]
C4912	ECA1EPX221	E.CAPACITOR 16V 1000U	1	[SPC]
C4912	ECA1EPXS221	E.CAPACITOR 25V 220U	1	[SPC]
C4913	ECA1CPX102	E.CAPACITOR 16V 1000U	1	[SPC]
C4913	ECA1CPXS102	E.CAPACITOR 16V 1000U	1	[SPC]
C4914-25	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	12	[SPC]
C4951	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4961	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4962	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4972	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4973	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4976	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	1	[SPC]
C4977	ECA1EPX221	E.CAPACITOR 25V 220U	1	[SPC]
C4980,81	ECA1EPX221	E.CAPACITOR 25V 220U	2	[SPC]
C4982,83	ECHR1H223JZ	P.CAPACITOR 50V 0.022U	2	[SPC]
C4995-99	ECBA1H104K	C.CAPACITOR 50V 0.1U	5	[SPC]
C5101	ECUM1H102JCN	C.CAPACITOR CH 50V 1000P	1	[SPC]
C5201	EEVHB0J470	E.CAPACITOR 6.3V 47U	1	[SPC]
C5202	ECST1AY106Z	T.CAPACITOR CH 10V 10U	1	[SPC]
C5203-06	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C5207	EEVHB1C100	E.CAPACITOR 16V 10U	1	[SPC]
C5208	ECST1CX106Z	T.CAPACITOR CH 16V 10U	1	[SPC]
C5209	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	[SPC]
C5210	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5211	ECUX1H560JCV	C.CAPACITOR CH 50V 56P	1	[SPC]
C5212	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	[SPC]
C5213	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5214	ECUX1A184KBV	C.CAPACITOR CH 10V 0.18U	1	[SPC]
C5215	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C5216	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5217	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	1	[SPC]
C5218,19	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C5220	ECUX1H222KBV	C.CAPACITOR CH 50V 2200P	1	[SPC]
C5221	ECUX1H392KBV	C.CAPACITOR CH 50V 3900P	1	[SPC]
C5222	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5223	ECUX1H820JCV	C.CAPACITOR CH 50V 82P	1	[SPC]
C5224	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5225	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5226	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5227,28	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C5229	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	1	[SPC]
C5230	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5231	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	[SPC]
C5232	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C5233	ECUX1A334KBV	C.CAPACITOR CH 10V 0.33U	1	[SPC]
C5234	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C5235	ECUM1A335KBM	C.CAPACITOR CH 10V 3.3U	1	[SPC]
C5236	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C5237	ECUX1H102KBV	C.CAPACITOR CH 50V 1000P	1	[SPC]
C5238	ECUX1A224KBV	C.CAPACITOR CH 10V 0.22U	1	[SPC]
C5239-41	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C5242	ECUX1H121JCV	C.CAPACITOR CH 50V 120P	1	[SPC]
C5243,44	ECUX1H221JCV	C.CAPACITOR CH 50V 220P	2	[SPC]
C5245,46	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C5247,48	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C5249	ECUX1H681JCV	C.CAPACITOR CH 50V 680P	1	[SPC]
C5250-52	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C5253	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C5254,55	ECUX1H181JCV	C.CAPACITOR CH 50V 180P	2	[SPC]
C5256-59	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	4	[SPC]
C6001	ECEA0JKA331	E.CAPACITOR 6.3V 330U	1	[SPC]
C6002	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C6003	ECEA1HKA100	E.CAPACITOR 50V 10U	1	[SPC]
C6004	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C6005	ECEA0JKA470	E.CAPACITOR 6.3V 47U	1	[SPC]
C6006	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C6013,14	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	2	[SPC]
C6021	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C6041-43	ECUM1H103ZFN	C.CAPACITOR CH 50V 0.01U	3	[SPC]
C6201,02	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C6203	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C6204-09	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	6	[SPC]
C6211	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C6251	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C6252	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]
C6253	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	[SPC]
C6254	ECEV0JA331P	E.CAPACITOR CH6.3V 330U	1	[SPC]
C6255	ECUX1H103ZfV	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C6301	ECUX1H101JCV	C.CAPACITOR CH 50V 100P	1	[SPC]
C6302	ECUX1C104KBV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C6303-05	ECUX1C104ZfV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C6461	ECUM1H104ZFN	C.CAPACITOR CH 50V 0.1U	1	[SPC]
C6501	EEVHB0J330R	E.CAPACITOR 6.3V 33U	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6502	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C6565	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C6581	ECUX1H150JCV	C.CAPACITOR CH 50V 15P	1	[SPC]
C6582	ECUX1H180JCV	C.CAPACITOR CH 50V 18P	1	[SPC]
C6583-85	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	3	[SPC]
C6587,88	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C7001,02	EEVHB0J101	E.CAPACITOR 6.3V 100U	2	[SPC]
C7003-19	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	17	[SPC]
C7020	ECUX1H103KBV	C.CAPACITOR CH 50V 0.01U	1	[SPC]
C7021	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	1	[SPC]
C7301,02	ECUX1C104ZFV	C.CAPACITOR CH 16V 0.1U	2	[SPC]
C8001	EEVHB0J101	E.CAPACITOR 6.3V 100U	1	[SPC]
C8002-07	ECUX1C224ZFV	C.CAPACITOR CH 16V 0.22U	6	[SPC]
D1001	ENC221D5ATRB	DIODE	1	[SPC]7D,10PP
D1001	ENC471D5ATRB	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1002	ENC471D5ATUB	DIODE	1	[SPC]7D,10PP
D1011	S1WBA80	DIODE	1	[SPC]
D1021	AP01C	DIODE	1	B0HADV000010 [SPC]
D1022	RD100E	ZENER DIODE	1	B0BA10000001 [SPC]
D1031	AU01Z	DIODE	1	[SPC]
D1032	MA7300B	DIODE	1	[SPC]
D1041,42	MA165	DIODE	2	[SPC]7D,10PP
D1051	MA700	DIODE	1	[SPC]
D1052	MA4200H	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1052	MA4240NM	DIODE	1	[SPC]7D,10PP
D1111	MA7D49	DIODE	1	[SPC]7D,10PP
D1111	MA7D55	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1121	11ES1	DIODE	1	B0EAKL000030 [SPC]
D1131	11EQS06	DIODE	1	[SPC]7D,10PP
D1131	11EQS10	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1141	11EQS06	DIODE	1	[SPC]7D,10PP
D1141	11EQS10	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1151	11EQS06	DIODE	1	[SPC]7D,10PP
D1151	11EQS10	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1152	11EQS06	DIODE	1	[SPC]7D,10PP
D1152	11EQS10	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D1161	AU01Z	DIODE	1	[SPC]
D1162	MA4030	DIODE	1	[SPC]
D1171	AK04	DIODE	1	[SPC]
D1201-04	D1NL20U	DIODE	4	[SPC]
D1205,06	MA165	DIODE	2	[SPC]
D1207	MA4082M	DIODE	1	[SPC]
D1211,12	D1NL20U	DIODE	2	[SPC]
D1213,14	MA4120-M	DIODE	2	MAZ41200M [SPC]
D1215-20	MA165	DIODE	6	[SPC]
D3081	MA152WA	DIODE	1	[SPC]
D3281	MA111	DIODE	1	[SPC]
D3301	MA8036-L	DIODE	1	[SPC]
D3302	MA8039-L	DIODE	1	[SPC]
D3601	MA742	DIODE	1	[SPC]
D3851	MA152A	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D3852	MA8130	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D3861	MA152WK	DIODE	1	[SPC]7EC,7EB,10EB,10EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D3862	MA152A	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D3863	MA8120-L	DIODE	1	[SPC]7EC,7EB,10EB,10EG
D4201,02	MA304	DIODE	2	[SPC]
D4301	MA150	DIODE	1	[SPC]
D4302,03	MA152WA	DIODE	2	[SPC]7D,10PP
D4310-15	MA152WA	DIODE	6	[SPC]
D4316,17	MA150	DIODE	2	[SPC]
D4591	1SS355	DIODE	1	B0ACCK000005 [SPC]
D4593	1SS355	DIODE	1	B0ACCK000005 [SPC]
D4901	AK04WS	DIODE	1	[SPC]
D4951	1SS355	DIODE	1	B0ACCK000005 [SPC]
D4961	1SS355	DIODE	1	B0ACCK000005 [SPC]
D6001	AK04WS	DIODE	1	[SPC]
D6002-04	1SS355	DIODE	3	B0ACCK000005 [SPC]
D6311	MA728	DIODE	1	MA2J728 [SPC]
D6401	LNJ301MPUJAD	LED (GREEN)	1	[SPC]
D6412	LNJ301MPUJAD	LED (GREEN)	1	[SPC]
D6413	LNJ401NPYJA	LED (AMBER)	1	[SPC]
D6414	LNJ201LPQJA	LED (RED)	1	[SPC]
D6415-17	LNJ301MPUJAD	LED (GREEN)	3	[SPC]
D6461	NSPW310BS	DIODE	1	[SPC]
D6462	MA3051M	DIODE	1	[SPC]
DL6001	VSL0532	DISPLAY TUBE	1	[SPC]
DZ1001	VSQ1003	SURGE ABSORBER 2.7KV	1	J0LE00000016 [SPC]7D,10PP
F1001	VSF0248C16	FUSE	1	[SPC]7D,10PP ⚠
F1001	XBA2C16TB0	FUSE	1	[SPC]7EC,7EB,10EB,10EG ⚠
FL3000	ELKE103FA	FILTER	1	[SPC]
FL3501	ELB4K166B	FILTER	1	[SPC]
FL3511	ELB4L187B	FILTER	1	[SPC]
FL3551	ELB4K166B	FILTER	1	[SPC]7EC,7EB,10EB,10EG
FL3561	ELB4K166B	FILTER	1	[SPC]7EC,7EB,10EB,10EG
FL3561	ELB4K167B	FILTER	1	[SPC]7D,10PP
FL3571	ELB4K166B	FILTER	1	[SPC]7EC,7EB,10EB,10EG
FL3571	ELB4K167B	FILTER	1	[SPC]7D,10PP
FL4741-43	RLL500050T-Y	COIL	3	[SPC]
FL6251-54	ELKE103FA	FILTER	4	[SPC]
FP2502	VJS3913A017	CONNECTOR (17P)	1	K1MN17A00016 [SPC]
FP2512	VJS3913A007	CONNECTOR (7P)	1	[SPC]
FP2601	VJS4241B007W	CONNECTOR (7P)	1	[SPC]
FP3201	VJS3623A020W	CONNECTOR (20P)	1	K1MN20A00013 [SPC]
FP4101	VJS3911C022	CONNECTOR (22P)	1	[SPC]
FP4202	VJS3623A022W	CONNECTOR (22P)	1	[SPC]
FP4721	VJS4320A015	CONNECTOR (15P)	1	[SPC]
FP4721	VJS4320A017	CONNECTOR (15P)	1	[SPC]
FP5151	VJS3913A021	CONNECTOR (21P)	1	[SPC]
FP5152	VJS3913B021	CONNECTOR (21P)	1	[SPC]
FP5153	VJS3654B017	CONNECTOR (17P)	1	[SPC]
FP5154	VJS4241D017W	CONNECTOR (17P)	1	[SPC]






Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FP5201	VJS3913A021	CONNECTOR (21P)	1	[SPC]
FP6001	VJS3537A010G	CONNECTOR (10P)	1	K1MN10A00036 [SPC]
FP6002	VJS3537A015G	CONNECTOR (15P)	1	[SPC]
FP6002	VJS3537A017G	CONNECTOR (17P)	1	[SPC]
FP6401	VJS4320A010	CONNECTOR (10P)	1	[SPC]
IC1021	STRM6559LF	IC	1	C5HACZZ00001 [SPC]
IC1101	UPC1093J	IC	1	C0DAEMC00002 [SPC]
IC1121	PQ3RD13	IC	1	[SPC]
IC1151	SI-3090FLF11	IC	1	[SPC]
IC1201	NJM4580DD	IC	1	[SPC]
IC2001	MN67705EA	IC	1	[SPC]
IC2501	AN8485SB	IC	1	[SPC]
IC2511	BA5983FM	IC	1	[SPC]
IC3001	MN677521HB	IC	1	[SPC]
IC3061	D4516161A80R	IC	1	[SPC]
IC3071	D4516161A80R	IC	1	[SPC]
IC3081	PQ07VZ012ZP	IC	1	[SPC]
IC3091	NJM2115V	IC	1	[SPC]
IC3092	TC7WH157FU	IC	1	[SPC]
IC3201	ADV7172KST	IC	1	[SPC]
IC3281	PQ1R33	IC	1	[SPC]
IC3301	NJM2115V	IC	1	[SPC]
IC3302	BU4053BCFV	IC	1	[SPC]
IC3321	T74VHC221AFT	IC	1	[SPC]
IC3322	TC7S02FU	IC	1	[SPC]
IC3531	AN3581S	IC	1	[SPC]
IC3581	BA7660FS	IC	1	[SPC]7D,10PP
IC3801	AN79L05M	IC	1	[SPC]7EC,7EB,10EB,10EG
IC3811	TC4W53F	IC	1	[SPC]7EC,7EB,10EB,10EG
IC3812,13	MC14053BF	IC	2	[SPC]7EC,7EB,10EB,10EG
IC3821,22	MC14053BF	IC	2	[SPC]7EC,7EB,10EB,10EG
IC3831	NJM2267M	IC	1	[SPC]7EC,7EB,10EB,10EG
IC3841	BA7660FS	IC	1	[SPC]7EC,7EB,10EB,10EG
IC4101	MN5AA003D7A	IC	1	[SPC]
IC4151	MN19425EA	IC	1	[SPC]
IC4202,03	TC7SHU04F	IC	2	[SPC]
IC4204	PQ3RD13	IC	1	[SPC]
IC4205	NJM78M05FA	IC	1	[SPC]
IC4206	MN64735	IC	1	[SPC]
IC4207	TC74HCT7007A	IC	1	[SPC]
IC4208	NJM2370U33	IC	1	[SPC]
IC4209	TC7WH74FU	IC	1	[SPC]
IC4241	TC7ST04FU	IC	1	[SPC]
IC4252	PCM1734UA	IC	1	[SPC]
IC4253,54	PCM1734UB	IC	2	[SPC]
IC4255	TC7SH08F	IC	1	[SPC]
IC4256-58	TC7SHU04F	IC	3	[SPC]
IC4259	TC7SH08F	IC	1	[SPC]
IC4260,61	TC74AC574FT	IC	2	[SPC]
IC4262	TC7SHU04F	IC	1	[SPC]
IC4263	TC7WH157FU	IC	1	[SPC]
IC4264,65	TC7SHU04F	IC	2	[SPC]
IC4304,05	NJM2114M	IC	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC4308,09	NJM4580MD	IC	2	[SPC]
IC4310,11	NJM2114M	IC	2	[SPC]
IC4312	NJM4580M	IC	1	[SPC]
IC4314	NJM4580M	IC	1	[SPC]
IC4316-19	NJM4580M	IC	4	[SPC]
IC4701	NJM4580M	IC	1	[SPC]
IC4731	M5218AFP	IC	1	C0ABBB000071 [SPC]
IC4751	T0TX178A	IC	1	[SPC]
IC4753	TC7WU04F	IC	1	[SPC]
IC4901	PQ09DZ1U	IC	1	[SPC]
IC5201	MM1385UNRE	IC	1	[SPC]
IC5202	AN8706FHQ-V	IC	1	[SPC]
IC6001	MN101C35DAA	IC	1	[SPC]7D,10PP
IC6001	MN101C35DAD	IC	1	[SPC]7EC,7EB,10EB,10EG
IC6002	PST7040-MT	IC	1	[SPC]
IC6003	PNA4611M02VT	IR RECEIVER UNIT	1	[SPC]
IC6004,05	TC7ST08F	IC	2	[SPC]
IC6201	MN102L25DFB	IC	1	[SPC]
IC6211	BU2092FV	IC	1	[SPC]
IC6301	PST596JNR	IC	1	[SPC]
IC6302	VUB8011L382	IC	1	[SPC]
IC6303	AT25040NSI27	IC	1	[SPC]
IC6563	TC7WH74FU	IC	1	[SPC]
IC6581,82	AHC1GU04HDCK	IC	2	[SPC]
IC6583	TC7WH74FU	IC	1	[SPC]
IC6584,85	AHC1GU04HDCK	IC	2	[SPC]
IC7001	MN103007BGA	IC	1	[SPC]
IC7301	TC7SH08FU	IC	1	[SPC]
IC7302	TC7SH32FU	IC	1	[SPC]
IC8001	MN5C027D4H1	IC	1	[SPC]
J3541	VJJ0561	Y/C CONNECTOR	1	[SPC]7EC,7EB,10EB,10EG
J3541	VJJ0582	Y/C CONNECTOR	1	[SPC]7D,10PP
J3871	VJS3921	CONNECTOR (FEMALE) 21P	1	[SPC]7EC,7EB,10EB,10EG
J3881	VJS3921	CONNECTOR (FEMALE) 21P	1	[SPC]7EC,7EB,10EB,10EG
J4301	VEJ1939	PIN JACK (MIX)	1	[SPC]
J4302	VEJ1941	PIN JACK (VIDEO)	1	[SPC]
J4303	VEJ1940	PIN JACK (5CH)	1	[SPC]
J4751	VJJ0590	PIN JACK (1P)	1	[SPC]
JK3591	VJJ0640	RCA PIN JACK	1	[SPC]7D,10PP
JK4741	VJJ0583	HEADPHONE JACK	1	[SPC]
K3001	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
K3201,02	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	[SPC]7D,10PP
K3205	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
K3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
K3501	ERDS2TY0	C.RESISTOR 1/4W 0	1	[SPC]7EC,7EB,10EB,10EG
K3502	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
K3802	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
K3871	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
K4101-03	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	[SPC]
K4201	ERDS1FVJ3R9	C.RESISTOR 1/2W 3.9	1	[SPC]
K4207,08	ERDS2TY0	C.RESISTOR 1/4W 0	2	[SPC]

***IC6303 is not supplied in the form of an individual part. When replacing, be sure to replace the module p.c.b. and not IC6303 singly.**

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
K5201-05	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	5	[SPC]
K6001	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
K6005,06	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	[SPC]
K6010,11	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	[SPC]7EC,7EB,10EB,10EG
K6301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
L1001,02	ELF15N005A	NOISE FILTER	2	[SPC]
L1111	VLQ0611K100	COIL 10UH	1	[SPC]7D,10PP
L1111	VLQ0655K100T	COIL 10UH	1	[SPC]7EC,7EB,10EB,10EG
L1112	ELELN100KA	INDUCTOR 10UH	1	[SPC]
L1131	VLQEL05S330K	COIL 33UH	1	[SPC]
L1141	VLQEL05S330K	COIL 33UH	1	[SPC]
L1151	VLQ0611K220	COIL 22UH	1	[SPC]7D,10PP
L1151	VLQ0655K220	COIL 22UH	1	[SPC]7EC,7EB,10EB,10EG
L2001,02	ELJEA100KF	COIL	2	[SPC]
L2501	ERJ14Y0R00	M.RESISTOR CH 1/4W 0	1	[SPC]
L3281	ELJEA100KF	COIL	1	[SPC]
L3501	VLQEL05S220J	COIL 22UH	1	[SPC]
L3531,32	VLQEL05S220J	COIL 22UH	2	[SPC]
L3551	VLQEL05S220J	COIL 22UH	1	[SPC]
L3581	VLQEL05S220J	COIL 22UH	1	[SPC]7D,10PP
L3801	VLQEL05S220J	COIL 22UH	1	[SPC]7EC,7EB,10EB,10EG
L3871,72	VLQEL05S471J	COIL 470UH	2	[SPC]7EC,7EB,10EB,10EG
L3881,82	VLQEL05S471J	COIL 470UH	2	[SPC]7EC,7EB,10EB,10EG
L4202-05	ELJND1R0JF	COIL	4	[SPC]
L4741-43	VLQ0779K100	COIL 10UH	3	G1C100KA0005 [SPC]
L4751	ELJNDR10JF	COIL	1	[SPC]
L4752	VLQ0790	TRANSFORMER	1	[SPC]
L4753	RLQZ150M-O	COIL	1	[SPC]
L5201,02	ELJEA100KF	COIL	2	[SPC]
L6001	VLQEL05S101J	COIL 100UH	1	[SPC]
L6002	VLQEL05S221J	COIL 220UH	1	[SPC]
L6003	VLQEL05S470J	COIL 47UH	1	[SPC]
L6004	VLQEL05S101J	COIL 100UH	1	[SPC]
L6005	VLQEL05S470J	COIL 47UH	1	[SPC]
L6006	VLQEL05S101J	COIL 100UH	1	[SPC]
L6201	ERJ14Y0R00	M.RESISTOR CH 1/4W 0	1	[SPC]
L6501	ELJFC220KB	COIL	1	[SPC]
L7001	ELJEA100KF	COIL	1	[SPC]
L7002	ERJ14Y0R00	M.RESISTOR CH 1/4W 0	1	[SPC]
LB1021,22	VLP0083	COIL	2	[SPC]
LB1024	VLP0056	COIL	1	[SPC]
LB2501-08	VLP0323A601R	CHIP SOLID INDUCTOR	8	[SPC]
LB2509-13	JALBK2HS470T	COIL	5	[SPC]
LB2514,15	VLP0323A601R	CHIP SOLID INDUCTOR	2	[SPC]
LB2517	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB2518-21	JALBK2HS470T	COIL	4	[SPC]
LB3001	VLP0157	COIL	1	[SPC]
LB3002	JALBK2HS470T	COIL	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LB3091	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB3201-13	VLP0323A601R	CHIP SOLID INDUCTOR	13	[SPC]
LB3541-46	VLP0145	COIL	6	[SPC]7D,10PP
LB3591-93	VLP0145	COIL	3	[SPC]7D,10PP
LB3871-74	VLP0145	COIL	4	[SPC]7EC,7EB,10EB,10EG
LB3881	VLP0145	COIL	1	[SPC]7EC,7EB,10EB,10EG
LB4101-03	VLP0323A601R	CHIP SOLID INDUCTOR	3	[SPC]
LB4104-06	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	3	[SPC]
LB4107	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB4108,09	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	[SPC]
LB4110-13	VLP0323A601R	CHIP SOLID INDUCTOR	4	[SPC]
LB4114-19	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	6	[SPC]
LB4202	VLP0150	COIL	1	[SPC]
LB4206	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
LB4206	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
LB4209	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
LB4209	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
LB4210	VLP0321A601T	COIL	1	J0JCC0000073 [SPC]
LB4211	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
LB4211	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
LB4212-17	VLP0321A601T	COIL	6	J0JCC0000073 [SPC]
LB4218	VLP0150	COIL	1	[SPC]
LB4219,20	VLP0321A601T	COIL	2	J0JCC0000073 [SPC]
LB4221	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
LB4221	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
LB4241	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB4301-15	RLL500050T-Y	COIL	15	[SPC]
LB4751,52	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	[SPC]
LB5101	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5102	JALBK2HS470T	COIL	1	[SPC]
LB5103	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5104	JALBK2HS470T	COIL	1	[SPC]
LB5105-10	VLP0323A601R	CHIP SOLID INDUCTOR	6	[SPC]
LB5111	JALBK2HS470T	COIL	1	[SPC]
LB5112,13	VLP0323A601R	CHIP SOLID INDUCTOR	2	[SPC]
LB5114,15	JALBK2HS470T	COIL	2	[SPC]
LB5116	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5117	JALBK2HS470T	COIL	1	[SPC]
LB5118	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5201,02	VLP0323A601R	CHIP SOLID INDUCTOR	2	[SPC]
LB5203	JALBK2HS470T	COIL	1	[SPC]
LB5204-10	VLP0323A601R	CHIP SOLID INDUCTOR	7	[SPC]
LB5211	JALBK2HS470T	COIL	1	[SPC]
LB5212-14	VLP0323A601R	CHIP SOLID INDUCTOR	3	[SPC]
LB5215	JALBK2HS470T	COIL	1	[SPC]
LB5216	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5217	JALBK2HS470T	COIL	1	[SPC]
LB5218	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB5219	JALBK2HS470T	COIL	1	[SPC]
LB6001-03	VLP0153	COIL	3	[SPC]
LB6004	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
LB6005-16	VLP0153	COIL	12	[SPC]
LB6213	VLP0155	COIL	1	J0JCC0000106 [SPC]
LB6522	VLP0155	COIL	1	J0JCC0000106 [SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LB6563,64	VLP0157	COIL	2	[SPC]
LB6565	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB6581	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB6583	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB6584	VLP0157	COIL	1	[SPC]
LB6585	VLP0323A601R	CHIP SOLID INDUCTOR	1	[SPC]
LB6586	VLP0157	COIL	1	[SPC]
LB6587,88	VLP0323A601R	CHIP SOLID INDUCTOR	2	[SPC]
P1001	VJS2986	AC INLET	1	[SPC]7D,10PP 
P1001	VJS3166	AC INLET	1	[SPC]7EC,7EB,10EB,10EG 
P1002	VJP2073	CONNECTOR (MALE) 2P	1	[SPC]
P1201	VJP4117A004		1	[SPC]
P1202	VJP4304A006W		1	[SPC]
P3202	VJP3233A010	CONNECTOR (MALE) 10P	1	K1KA10A00113 [SPC]
P4201	VJP3233A006	CONNECTOR (MALE) 6P	1	K1KA06A00008 [SPC]
P6251	VJP4027C010	CONNECTOR (MALE) 10P	1	[SPC]
P6461	VJS2650A003Z	CONNECTOR (FEMALE) 3P	1	[SPC]
PP1101	VJP4223E018B	CONNECTOR (MALE) 18P	1	[SPC]
PP3801	VJP3042G020W	CONNECTOR (MAIL) 20P	1	[SPC]
PR1161	VSF0015A025	IC PROTECTOR	1	[SPC] 
PR1171	VSF0015A10	FUSE	1	B1ZAZ0000014 [SPC] 
PR4911	VSF0015A10	FUSE	1	B1ZAZ0000014 [SPC] 
PS1101	VJS4223A018	CONNECTOR (FEMALE) 18P	1	[SPC]
PS3801	VJS3042B020W	CONNECTOR (FEMALE) 20P	1	[SPC]
PS6201	VJS2961A010	CONNECTOR (FEMALE) 10P	1	[SPC]
Q1041	PS2501-1H	PHOTO COUPLER	1	B3PAA0000049 [SPC]7D,10PP
Q1041	PS2561L1	PHOTO COUPLER	1	[SPC]7EC,7EB,10EB,10EG
Q1111	2SJ525	TRANSISTOR	1	[SPC]
Q1201-03	2SD2137-P	TRANSISTOR	3	[SPC]
Q1204	2SC3311	TRANSISTOR	1	[SPC]
Q1211	UN4214		1	[SPC]
Q1212-14	UN4114		3	[SPC]
Q1215	UN4214		1	[SPC]
Q1216	2SD2137-P	TRANSISTOR	1	[SPC]
Q1217	2SB1417-Q	TRANSISTOR	1	2SB14170Q [SPC]
Q1218	2SK170V	TRANSISTOR	1	[SPC]
Q1219	2SJ74V	TRANSISTOR	1	[SPC]
Q3201	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3211	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3221	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3231	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3241	2SB1218A-R	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3301	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3302,03	2SD1819A-R	TRANSISTOR	2	[SPC]
Q3304	2SB1218A-R	TRANSISTOR	1	[SPC]
Q3305	2SD1819A-R	TRANSISTOR	1	[SPC]
Q3321,22	2SD1819A-R	TRANSISTOR	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q3331	2SD1819A-R	TRANSISTOR	1	[SPC]
Q3501	2SB709A	TRANSISTOR	1	[SPC]
Q3502	2SD601A	TRANSISTOR	1	2SD0601A [SPC]
Q3503	2SB709A	TRANSISTOR	1	[SPC]
Q3511	2SB709A	TRANSISTOR	1	[SPC]
Q3512	2SD601A	TRANSISTOR	1	2SD0601A [SPC]
Q3513	2SB709A	TRANSISTOR	1	[SPC]
Q3551	2SD601A	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3561	2SD601A	TRANSISTOR	1	2SD0601A [SPC]
Q3571	2SD601A	TRANSISTOR	1	2SD0601A [SPC]
Q3601	2SC2404-D	TRANSISTOR	1	[SPC]
Q3602	2SC2295-B	TRANSISTOR	1	[SPC]
Q3603	2SA1022-B	TRANSISTOR	1	[SPC]
Q3851	2SB710-R	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3852	XN4502	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3853	XN4401	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3861	2SD602A-R	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3862	XN4402	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3863	2SB710-R	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q3864	2SD602A-R	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q4301-04	2SD1328	TRANSISTOR	4	[SPC]
Q4307,08	2SD1328	TRANSISTOR	2	[SPC]
Q4309,10	2SD601A-R	TRANSISTOR	2	2SD0601AR [SPC]
Q4311,12	2SD1328	TRANSISTOR	2	[SPC]
Q4317	2SJ498CTA	TRANSISTOR	1	[SPC]
Q4319-24	2SD1328	TRANSISTOR	6	[SPC]7D,10PP
Q4502	2SD1328	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q4512	2SD1328	TRANSISTOR	1	[SPC]7EC,7EB,10EB,10EG
Q4721,22	2SD1328	TRANSISTOR	2	[SPC]
Q4901	2SB709A	TRANSISTOR	1	[SPC]
Q4911	2SB1434R	TRANSISTOR	1	[SPC]
Q4912	2SB1320A-R	TRANSISTOR	1	[SPC]
Q4913	2SD601A	TRANSISTOR	1	2SD0601A [SPC]
Q4951	2SK170V	TRANSISTOR	1	[SPC]
Q4952	2SD1862QR	TRANSISTOR	1	[SPC]
Q4961	2SJ74V	TRANSISTOR	1	[SPC]
Q4963	2SB1240PR	TRANSISTOR	1	[SPC]
Q5201	2SB1115-T	TRANSISTOR	1	[SPC]
Q6009	2SD1996-R	TRANSISTOR	1	[SPC]
QR1111	UN4213	TRANSISTOR	1	UNR4213 [SPC]
QR2001	UN5213	TRANSISTOR-RESISTOR	1	[SPC]
QR2501,02	XP1213	TRANSISTOR-RESISTOR	2	[SPC]
QR2503	UN5213	TRANSISTOR-RESISTOR	1	[SPC]
QR3521	UN2212	TRANSISTOR-RESISTOR	1	UNR2212 [SPC]
QR3523,24	UN2212	TRANSISTOR-RESISTOR	2	[SPC]7EC,7EB,10EB,10EG
QR3601	UN2211	TRANSISTOR	1	UNR2211 [SPC]
QR3841	XN1213	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3842	UN2213	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3843	XN1213	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3851	UN2217	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3852	XN1213	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3853	XN1112	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
QR3861	UN2217	TRANSISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
QR3862,63	XN1213	TRANSISTOR-RESISTOR	2	[SPC]7EC,7EB,10EB,10EG
QR4201	UN2215	TRANSISTOR	1	[SPC]
QR4202	UN2111	TRANSISTOR	1	[SPC]
QR4204	UN2111	TRANSISTOR	1	[SPC]
QR4303	UN2211	TRANSISTOR	1	UNR2211 [SPC]
QR4304-08	UN2215	TRANSISTOR	5	UNR2215 [SPC]
QR4309	UN2111	TRANSISTOR	1	[SPC]
QR4310,11	UN2215	TRANSISTOR	2	UNR2215 [SPC]
QR4591	UN2211	TRANSISTOR	1	UNR2211 [SPC]
QR4592	UN2115	TRANSISTOR	1	[SPC]
QR4593	UN2211	TRANSISTOR	1	UNR2211 [SPC]
QR4594	UN2111	TRANSISTOR	1	[SPC]
QR5201,02	UN5212	TRANSISTOR-RESISTOR	2	UNR5212 [SPC]
QR5203	UN5112	TRANSISTOR-RESISTOR	1	UNR5112 [SPC]
QR5204	UN5212	TRANSISTOR-RESISTOR	1	UNR5212 [SPC]
QR6001-03	DTA123JK	TRANSISTOR	3	[SPC]
QR6004	UN2212	TRANSISTOR-RESISTOR	1	UNR2212 [SPC]
QR6005-07	DTA123JK	TRANSISTOR	3	[SPC]
QR6008	UN2111	TRANSISTOR	1	[SPC]
QR6009-12	DTA123JK	TRANSISTOR	4	[SPC]
QR6311	UN5212	TRANSISTOR-RESISTOR	1	UNR5212 [SPC]
R1001	ERC12UGK685	S.RESISTOR 1/2W 6.8M	1	[SPC]7D,10PP
R1002	ERC12AGM334	S.RESISTOR 1/2W 330K	1	[SPC]7EC,7EB,10EB,10EG
R1021	ERG1SJ393	M.RESISTOR 1W 39K	1	[SPC]
R1023	ERX1SJR82	M.RESISTOR 1W 0.82	1	[SPC]
R1024,25	ERDS2FJ471	C.RESISTOR 1/4W 470	2	[SPC]
R1031,32	ERDS2FJ224	C.RESISTOR 1/4W 220K	2	[SPC]
R1033	ERG12SJ100	M.RESISTOR 1/2W 10	1	[SPC]
R1041	ERDS2FJ182	C.RESISTOR 1/4W 1.8K	1	[SPC]
R1051	ERDS2FJ152	C.RESISTOR 1/4W 1.5K	1	[SPC]
R1052	ERDS2FJ101	C.RESISTOR 1/4W 100	1	[SPC]
R1053	ERDS2FJ224	C.RESISTOR 1/4W 220K	1	[SPC]
R1054	ERDS2FJ103	C.RESISTOR 1/4W 10K	1	[SPC]
R1055	ERDS1TJ395	C.RESISTOR 1/2W 3.9M	1	[SPC]
R1056	ERDS1TJ475	C.RESISTOR 1/2W 4.7M	1	[SPC]
R1101	ER0S2CKF75R0	M.RESISTOR 1/4W 75	1	[SPC]
R1102,03	ER0S2CKF1201	M.RESISTOR 1/4W 1.2K	2	[SPC]
R1104	ERDS2TJ561	C.RESISTOR 1/4W 560	1	[SPC]
R1105	ERDS2TJ271	C.RESISTOR 1/4W 270	1	[SPC]
R1106	ERDS2TJ202	C.RESISTOR 1/4W 2K	1	[SPC]
R1111	ERDS2TJ102	C.RESISTOR 1/4W 1K	1	[SPC]
R1112	ERDS2TJ104	C.RESISTOR 1/4W 100K	1	[SPC]
R1161	ERDS2TJ104	C.RESISTOR 1/4W 100K	1	[SPC]
R1181	ERDS2TJ101	C.RESISTOR 1/4W 100	1	[SPC]
R1202	ERQ16NKWR22E	RESISTOR	1	[SPC]
R1203-05	ERDS2TJR47	C.RESISTOR 1/4W 0.47	3	[SPC]
R1206,07	ERDAS3G102	C.RESISTOR 1/4W 1K	2	[SPC]
R1208	ERDAS3G330	C.RESISTOR 1/4W 33	1	[SPC]
R1211	ERQ16NKWR22E	RESISTOR	1	[SPC]
R1212,13	ERDAS3G103	C.RESISTOR 1/4W 10K	2	[SPC]
R1214,15	ERDAS3G105	C.RESISTOR 1/4W 1M	2	[SPC]
R1216,17	ERDS2FJ333	C.RESISTOR 1/4W 33K	2	[SPC]
R1218,19	ERDAS3G102	C.RESISTOR 1/4W 1K	2	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1220,21	ERDAS3G101	C.RESISTOR 1/4W 100	2	[SPC]
R2001	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R2003	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R2004	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	[SPC]
R2005	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	[SPC]
R2006	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K	1	[SPC]
R2008-10	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	[SPC]
R2012	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	[SPC]
R2014	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	[SPC]
R2016	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R2019	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	[SPC]
R2020-23	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	4	[SPC]
R2024	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	[SPC]
R2025	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R2026	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
R2027	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	[SPC]
R2028	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R2029,30	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	[SPC]
R2031	ERJ3GEYF683	M.RESISTOR CH 1/16W 68K	1	[SPC]
R2032	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R2033	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
R2034	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R2035	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	[SPC]
R2036,37	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	[SPC]
R2038	ERJ3GEYF683	M.RESISTOR CH 1/16W 68K	1	[SPC]
R2039	ERJ3GEYF362	M.RESISTOR CH 1/16W 3.6K	1	[SPC]
R2501	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R2502,03	ERJ3RBD183	M.RESISTOR CH 1/16W 18K	2	[SPC]
R2504-06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	[SPC]
R2507,08	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	[SPC]
R2509	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	[SPC]
R2510,11	ERJ3GEYJ271	M.RESISTOR CH 1/16W 270	2	[SPC]
R2512	ERJ3GEYJ273	M.RESISTOR CH 1/16W 27K	1	[SPC]
R2513	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R2515	ERJ14YKR39	M.RESISTOR CH 1/4W 0.39	1	[SPC]
R2516,17	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	[SPC]
R2518,19	ERJ3GEYJ243	M.RESISTOR CH 1/16W 24K	2	[SPC]
R2520	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	[SPC]
R2521	ERJ3RBD563	M.RESISTOR CH 1/16W 56K	1	ERJ3RBD563V [SPC]
R2522-24	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	3	[SPC]
R3001	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	[SPC]
R3002	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R3004,05	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	[SPC]
R3006,07	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	[SPC]
R3008	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R3009	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	[SPC]
R3010	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	[SPC]
R3011	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
R3011-15	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	5	[SPC]
R3016	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R3017	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	[SPC]
R3051	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3052	ERJ3RBD752	M.RESISTOR CH 1/16W 7.5K	1	ERJ3RBD752V [SPC]
R3053	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3054	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	[SPC]
R3055	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	[SPC]
R3056	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3057	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	[SPC]
R3058	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	[SPC]
R3059	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3060	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	1	[SPC]
R3061	ERJ3GEYJ684	M.RESISTOR CH 1/16W 680K	1	[SPC]
R3062	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3071	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R3072,73	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	2	[SPC]
R3081,82	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	[SPC]
R3091	ERJ3GEYG473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R3092	ERJ3GEYG223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R3093	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	[SPC]
R3094	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	[SPC]
R3201	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	[SPC]
R3202	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]
R3203	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3211	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	[SPC]
R3212	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]
R3213	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3221	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	[SPC]7D,10PP
R3221	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	[SPC]7EC,7EB,10EB,10EG
R3222	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]
R3223	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3231	ERJ3RBD151	M.RESISTOR CH 1/16W 150	1	[SPC]7D,10PP
R3231	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	[SPC]7EC,7EB,10EB,10EG
R3232	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]
R3233	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3241	ERJ3RBD221	M.RESISTOR CH 1/16W 220	1	[SPC]7EC,7EB,10EB,10EG
R3242	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]7EC,7EB,10EB,10EG
R3243	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]7EC,7EB,10EB,10EG
R3251,52	ERJ3RBD102	M.RESISTOR CH 1/16W 1K	2	[SPC]
R3255,56	ERJ3GEYJ101	M.RESISTOR CH 1/16W 100	2	[SPC]
R3257	ERJ3RBD681	M.RESISTOR CH 1/16W 680	1	[SPC]7EC,7EB,10EB,10EG
R3257	ERJ3RBD821	M.RESISTOR CH 1/16W 820	1	[SPC]7D,10PP
R3258	ERJ3RBD471	M.RESISTOR CH 1/16W 470	1	[SPC]
R3259	ERJ3GEYJ221	M.RESISTOR CH 1/16W 220	1	[SPC]
R3301	ERJ3GEYF750	M.RESISTOR CH 1/16W 75	1	[SPC]
R3302	ERJ3GEYJ330	M.RESISTOR CH 1/16W 33	1	[SPC]
R3303	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	1	[SPC]
R3304	ERJ3RBD332	M.RESISTOR CH 1/16W 3.3K	1	[SPC]
R3305	ERJ3RBD123	M.RESISTOR CH 1/16W 12K	1	[SPC]
R3306	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	[SPC]
R3307	ERJ3RBD122	M.RESISTOR CH 1/16W 1.2K	1	[SPC]
R3308	ERJ3RBD822	M.RESISTOR CH 1/16W 8.2K	1	[SPC]
R3309	ERJ3RED184	M.RESISTOR CH 1/16W 180K	1	[SPC]
R3310	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R3311	ERJ3GEYJ331	M.RESISTOR CH 1/16W 330	1	[SPC]
R3312	ERJ3RBD153	M.RESISTOR CH 1/16W 15K	1	[SPC]
R3313	ERJ3RBD272	M.RESISTOR CH 1/16W 2.7K	1	[SPC]
R3314	ERJ3RBD562	M.RESISTOR CH 1/16W 5.6K	1	[SPC]
R3315	ERJ3RED124	M.RESISTOR CH 1/16W 120K	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3316	ERJ3RED394	M.RESISTOR CH 1/16W 390K	1	[SPC]
R3317	ERJ3GEYJ680	M.RESISTOR CH 1/16W 68	1	[SPC]
R3318	ERJ3GEYJ333	M.RESISTOR CH 1/16W 33K	1	[SPC]
R3319	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	[SPC]
R3321,22	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	[SPC]
R3323	ERJ3RBD104	M.RESISTOR CH 1/16W 100K	1	[SPC]
R3324	ERJ3RBD393	M.RESISTOR CH 1/16W 39K	1	[SPC]
R3325,26	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	[SPC]
R3327,28	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	2	[SPC]
R3329	ERJ3GEYJ332	M.RESISTOR CH 1/16W 3.3K	1	[SPC]
R3333,34	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	2	[SPC]
R3501	ERJ6GEYG621	M.RESISTOR CH 1/10W 620	1	[SPC]7EC,7EB,10EB,10EG
R3501	ERJ6GMYJ621	M.RESISTOR CH 1/10W 620	1	[SPC]7D,10PP
R3502	ERJ6GMYJ562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]
R3503	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]
R3504	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	[SPC]
R3505	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	[SPC]
R3506	ERJ6GMYJ182	M.RESISTOR CH 1/10W 1.8K	1	[SPC]
R3507	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	[SPC]
R3508	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	[SPC]
R3511	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	[SPC]
R3512	ERJ6GMYJ272	M.RESISTOR CH 1/10W 2.7K	1	[SPC]
R3514,15	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	[SPC]
R3516	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	[SPC]
R3517	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	[SPC]
R3518	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	[SPC]
R3519	ERJ6GMYJ330	M.RESISTOR CH 1/10W 33	1	[SPC]
R3520	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	[SPC]
R3521	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	1	[SPC]
R3524	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]7D,10PP
R3525	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7D,10PP
R3526	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]7D,10PP
R3527	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3528,29	ERJ6GMYJ472	M.RESISTOR CH 1/10W 4.7K	2	[SPC]7EC,7EB,10EB,10EG
R3531-33	ERJ6GMYG102	M.RESISTOR CH 1/10W 1K	3	[SPC]
R3534	ERJ6GMYG471	M.RESISTOR CH 1/10W 470	1	[SPC]
R3535	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R3541-44	ERJ6ENF71R5	M.RESISTOR CH 1/10W 71.5	4	[SPC]
R3545,46	ERJ6ENF75R0	M.RESISTOR CH 1/10W 75	2	[SPC]
R3551	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	[SPC]7EC,7EB,10EB,10EG
R3552	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	[SPC]7EC,7EB,10EB,10EG
R3553	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	[SPC]7EC,7EB,10EB,10EG
R3554	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]7EC,7EB,10EB,10EG
R3555	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	[SPC]7EC,7EB,10EB,10EG
R3561	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	[SPC]
R3562	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	[SPC]
R3563	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	[SPC]
R3564	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]
R3565	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	[SPC]
R3571	ERJ6GMYJ561	M.RESISTOR CH 1/10W 560	1	[SPC]
R3572	ERJ6GMYJ183	M.RESISTOR CH 1/10W 18K	1	[SPC]
R3573	ERJ6GMYJ471	M.RESISTOR CH 1/10W 470	1	[SPC]
R3574	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]
R3575	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3591	ERJ6ENF71R5	M.RESISTOR CH 1/10W 71.5	1	[SPC]7D,10PP
R3592,93	ERJ6ENF75R0	M.RESISTOR CH 1/10W 75	2	[SPC]7D,10PP
R3601	ERJ6ENF4700	M.RESISTOR CH 1/10W 470	1	[SPC]
R3602	ERJ6ENF1102	M.RESISTOR CH 1/10W 11K	1	[SPC]
R3603	ERJ6ENF8201	M.RESISTOR CH 1/10W 8.2K	1	[SPC]
R3604	ERJ6ENF1001	M.RESISTOR CH 1/10W 1K	1	[SPC]
R3605	ERJ6ENF4700	M.RESISTOR CH 1/10W 470	1	[SPC]
R3606	ERJ6ENF22R0	M.RESISTOR CH 1/10W 22	1	[SPC]
R3607	ERJ6GMYJ222	M.RESISTOR CH 1/10W 2.2K	1	[SPC]
R3608	ERJ6ENF3901	M.RESISTOR CH 1/10W 3.9K	1	[SPC]
R3609	ERJ6ENF2200	M.RESISTOR CH 1/10W 220	1	[SPC]
R3610,11	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	[SPC]
R3612	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	[SPC]
R3811-14	ERJ6GEYJ151	M.RESISTOR CH 1/10W 150	4	[SPC]7EC,7EB,10EB,10EG
R3821	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3823	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3825	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3827	ERJ6ENF1200	M.RESISTOR CH 1/10W 120	1	[SPC]7EC,7EB,10EB,10EG
R3828	ERJ6ENF1500	M.RESISTOR CH 1/10W 150	1	[SPC]7EC,7EB,10EB,10EG
R3841	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	[SPC]7EC,7EB,10EB,10EG
R3842	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3843	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	[SPC]7EC,7EB,10EB,10EG
R3844	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3845	ERJ6GEYF333	M.RESISTOR CH 1/10W 33K	1	[SPC]7EC,7EB,10EB,10EG
R3846	ERJ6GEYG562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3847-50	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	4	[SPC]7EC,7EB,10EB,10EG
R3851	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	[SPC]7EC,7EB,10EB,10EG
R3852	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3853-56	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	4	[SPC]7EC,7EB,10EB,10EG
R3857	ERJ6GEYJ680	M.RESISTOR CH 1/10W 68	1	[SPC]7EC,7EB,10EB,10EG
R3858,59	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	2	[SPC]7EC,7EB,10EB,10EG
R3860	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	[SPC]7EC,7EB,10EB,10EG
R3861	ERJ6GEYJ182	M.RESISTOR CH 1/10W 1.8K	1	[SPC]7EC,7EB,10EB,10EG
R3862	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3863,64	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	2	[SPC]7EC,7EB,10EB,10EG
R3865	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3866	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	[SPC]7EC,7EB,10EB,10EG
R3867	ERJ6GEYJ562	M.RESISTOR CH 1/10W 5.6K	1	[SPC]7EC,7EB,10EB,10EG
R3868	ERJ6GEYJ332	M.RESISTOR CH 1/10W 3.3K	1	[SPC]7EC,7EB,10EB,10EG
R3869	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	1	[SPC]7EC,7EB,10EB,10EG
R3871	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	[SPC]7EC,7EB,10EB,10EG
R3872	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]7EC,7EB,10EB,10EG
R3874	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	1	[SPC]7EC,7EB,10EB,10EG
R3875	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]7EC,7EB,10EB,10EG
R3876-80	ERJ6ENF75R0	M.RESISTOR CH 1/10W 75	5	[SPC]7EC,7EB,10EB,10EG
R3882,83	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	[SPC]7EC,7EB,10EB,10EG
R3885,86	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	2	[SPC]7EC,7EB,10EB,10EG
R3887	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3888	ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	[SPC]7EC,7EB,10EB,10EG
R3889	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3890	ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	[SPC]7EC,7EB,10EB,10EG
R3891	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]7EC,7EB,10EB,10EG
R3892	ERJ6GEYJ750	M.RESISTOR CH 1/10W 75	1	[SPC]7EC,7EB,10EB,10EG
R3893,94	ERJ6ENF75R0	M.RESISTOR CH 1/10W 75	2	[SPC]7EC,7EB,10EB,10EG

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4151	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	[SPC]
R4152	ERJ3GEYJ821	M.RESISTOR CH 1/16W 820	1	[SPC]
R4202	ERJ6GEYJ105	M.RESISTOR CH 1/10W 1M	1	[SPC]
R4203	ERJ6GMYJ105	M.RESISTOR CH 1/10W 1M	1	[SPC]
R4204,05	ERDS2TY0	C.RESISTOR 1/4W 0	2	[SPC]
R4241	ERJ3GEYJ151	M.RESISTOR CH 1/16W 150	1	[SPC]
R4251-56	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	6	[SPC]
R4257,58	ERDS2TY0	C.RESISTOR 1/4W 0	2	[SPC]
R4259	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
R4260-63	ERDS2TY0	C.RESISTOR 1/4W 0	4	[SPC]
R4264	ERJ6GEYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]
R4265	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]
R4266,67	ERJ6RBD471	M.RESISTOR CH 1/10W 470	2	[SPC]
R4268,69	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	2	[SPC]
R4270	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	[SPC]
R4273	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	[SPC]
R4274	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	[SPC]
R4275	ERJ6GMYJ151	M.RESISTOR CH 1/10W 150	1	[SPC]
R4276	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	[SPC]
R4277	ERJ6GMYJ470	RESISTOR	1	[SPC]
R4278-85	JAR1220P221D	M.RESISTOR CH 1/10W 220	8	[SPC]
R4286	ERJ6GEYJ472	M.RESISTOR CH 1/10W 4.7K	1	[SPC]
R4287,88	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	2	[SPC]
R4289	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]
R4290	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
R4291	ERJ6GMYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]
R4292,93	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	2	[SPC]
R4294-96	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	3	[SPC]
R4301,02	ER0S2GHF2001	RESISTOR	2	[SPC]
R4304,05	ER0S2GHF2001	RESISTOR	2	[SPC]
R4308,09	ER0S2GHF2001	RESISTOR	2	[SPC]
R4311,12	ER0S2GHF2001	RESISTOR	2	[SPC]
R4313-16	ER0S2GHF1003	RESISTOR	4	[SPC]
R4317,18	ER0S2GHF4702	RESISTOR	2	[SPC]
R4341,42	ER0S2GHF1002	RESISTOR	2	[SPC]
R4343,44	ER0S2GHF4701	RESISTOR	2	[SPC]
R4345	ER0S2GHF3901	RESISTOR	1	[SPC]
R4345	ER0S2GHF6801	RESISTOR	1	[SPC]
R4346	ER0S2GHF3901	RESISTOR	1	[SPC]
R4346	ER0S2GHF6801	RESISTOR	1	[SPC]
R4351	ER0S2GHF3901	RESISTOR	1	[SPC]
R4351	ER0S2GHF6801	RESISTOR	1	[SPC]
R4352	ER0S2GHF3901	RESISTOR	1	[SPC]
R4352	ER0S2GHF6801	RESISTOR	1	[SPC]
R4353-56	ER0S2GHF2002	RESISTOR	4	[SPC]
R4357,58	ER0S2GHF7501	RESISTOR	2	[SPC]
R4359,60	ER0S2GHF4701	RESISTOR	2	[SPC]
R4361,62	ER0S2GHF7501	RESISTOR	2	[SPC]
R4363,64	ER0S2GHF4701	RESISTOR	2	[SPC]
R4365-68	ER0S2GHF1002	RESISTOR	4	[SPC]
R4369-72	ER0S2GHF2201	RESISTOR	4	[SPC]
R4373-76	ER0S2GHF7501	RESISTOR	4	[SPC]
R4377	ER0S2GHF3301	RESISTOR	1	[SPC]
R4377	ER0S2GHF6801	RESISTOR	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4378	ER0S2GHF3301	RESISTOR	1	[SPC]
R4378	ER0S2GHF6801	RESISTOR	1	[SPC]
R4379	ER0S2GHF1201	RESISTOR	1	[SPC]
R4379	ER0S2GHF1801	RESISTOR	1	[SPC]
R4380	ER0S2GHF1201	RESISTOR	1	[SPC]
R4380	ER0S2GHF1801	RESISTOR	1	[SPC]
R4381-86	ER0S2GHF8200	RESISTOR	6	[SPC]
R4387	ER0S2GHF2201	RESISTOR	1	[SPC]
R4387	ER0S2GHF2701	RESISTOR	1	[SPC]
R4388	ER0S2GHF2201	RESISTOR	1	[SPC]
R4388	ER0S2GHF2701	RESISTOR	1	[SPC]
R4389,90	ER0S2GHF33R0	RESISTOR	2	[SPC]
R4391-94	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	4	[SPC]
R4395,96	JAR1220P473D	M.RESISTOR CH 1/10W 47K	2	[SPC]
R4398,99	JAR1220P473D	M.RESISTOR CH 1/10W 47K	2	[SPC]
R4400,01	ER0S2GHF10R0	RESISTOR	2	[SPC]
R4402,03	ER0S2GHF33R0	RESISTOR	2	[SPC]
R4404	ER0S2GHF1003	RESISTOR	1	[SPC]
R4416,17	ER0S2GHF3301	RESISTOR	2	[SPC]
R4418,19	ER0S2GHF1001	RESISTOR	2	[SPC]
R4420-23	ER0S2GHF8200	RESISTOR	4	[SPC]
R4425	ER0S2GHF7501	RESISTOR	1	[SPC]
R4426-29	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	4	[SPC]
R4430	ER0S2GHF4701	RESISTOR	1	[SPC]
R4431	ER0S2GHF1003	RESISTOR	1	[SPC]
R4432-35	ER0S2GHF33R0	RESISTOR	4	[SPC]
R4437	ER0S2GHF1002	RESISTOR	1	[SPC]
R4438	ER0S2GHF2002	RESISTOR	1	[SPC]
R4439,40	ER0S2GHF7501	RESISTOR	2	[SPC]
R4441	ER0S2GHF4701	RESISTOR	1	[SPC]
R4442	ER0S2GHF1002	RESISTOR	1	[SPC]
R4444	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R4445	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	1	[SPC]
R4446	ER0S2GHF4701	RESISTOR	1	[SPC]
R4450	ER0S2GHF2002	RESISTOR	1	[SPC]
R4451,52	ER0S2GHF8200	RESISTOR	2	[SPC]
R4453,54	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	[SPC]
R4455	ER0S2GHF4702	RESISTOR	1	[SPC]
R4456	ER0S2GHF7501	RESISTOR	1	[SPC]
R4457	ER0S2GHF4702	RESISTOR	1	[SPC]
R4459,60	JAR1220P473D	M.RESISTOR CH 1/10W 47K	2	[SPC]
R4463	ER0S2GHF2701	RESISTOR	1	[SPC]
R4463	ER0S2GHF3301	RESISTOR	1	[SPC]
R4464	ER0S2GHF2701	RESISTOR	1	[SPC]
R4464	ER0S2GHF3301	RESISTOR	1	[SPC]
R4466,67	ER0S2GHF2201	RESISTOR	2	[SPC]
R4469-72	ER0S2GHF2200	RESISTOR	4	[SPC]
R4473-78	JAR1220P221D	M.RESISTOR CH 1/10W 220	6	[SPC]
R4479-82	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	4	[SPC]7D,10PP
R4483,84	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	2	[SPC]7EC,7EB,10EB,10EG
R4485	ERJ6GEYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R4485	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R4508,09	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	[SPC]7EC,7EB,10EB,10EG
R4518,19	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	2	[SPC]7EC,7EB,10EB,10EG

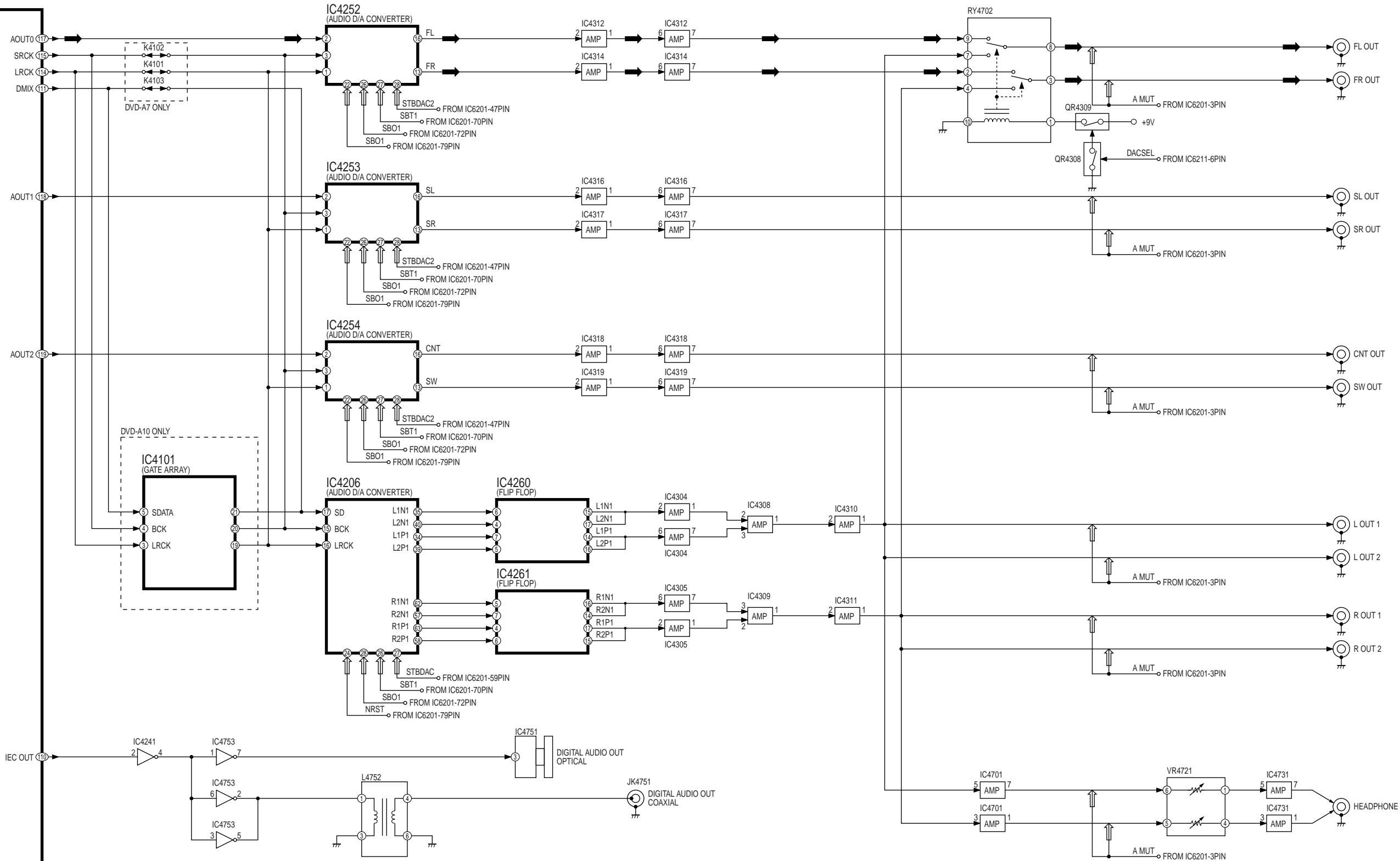
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4591	ERJ6GMYJ223	M.RESISTOR CH 1/10W 22K	1	[SPC]
R4592	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	[SPC]
R4593	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	[SPC]
R4594	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R4595,96	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	2	[SPC]
R4597	ERJ6GMYJ332	M.RESISTOR CH 1/10W 3.3K	1	[SPC]
R4721,22	ERJ6GEYJ471	M.RESISTOR CH 1/10W 470	2	[SPC]
R4723,24	ERJ6GEYJ821	M.RESISTOR CH 1/10W 820	2	[SPC]
R4731,32	ERJ8GEYJ470	M.RESISTOR CH 1/8W 47	2	[SPC]
R4733,34	ERJ6GEYJ153	M.RESISTOR CH 1/10W 15K	2	[SPC]
R4735,36	ERJ6GEYJ123	M.RESISTOR CH 1/10W 12K	2	[SPC]
R4737,38	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	2	[SPC]
R4751	ERJ6GMYJ100	M.RESISTOR CH 1/10W 10	1	[SPC]
R4752	ERJ6GMYJ750	M.RESISTOR CH 1/10W 75	1	[SPC]
R4901	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	[SPC]
R4902	ERJ6RBD152	M.RESISTOR CH 1/10W 1.5K	1	[SPC]
R4903	ERJ6GMYJ333	M.RESISTOR CH 1/10W 33K	1	[SPC]
R4911	ERJ6RBD822	M.RESISTOR CH 1/10W 8.2K	1	[SPC]
R4912	ERJ6GMYJ331	M.RESISTOR CH 1/10W 330	1	[SPC]
R4913	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	1	[SPC]
R4951	ER0S2GHF5600	RESISTOR	1	[SPC]
R4952	ER0S2GHF1004	RESISTOR	1	[SPC]
R4953,54	ER0S2GHF3300	RESISTOR	2	[SPC]
R4961	ER0S2GHF5600	RESISTOR	1	[SPC]
R4963	ER0S2GHF1004	RESISTOR	1	[SPC]
R5201	ERJ12YJ270	M.RESISTOR CH 1/2W 27	1	[SPC]
R5202	ERJ3GEYJ2R2	M.RESISTOR CH 1/16W 2.2	1	[SPC]
R5203	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R5205,06	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	2	[SPC]
R5208	ERJ3GEYJ823	M.RESISTOR CH 1/16W 82K	1	[SPC]
R5209	ERJ3GEYJ123	M.RESISTOR CH 1/16W 12K	1	[SPC]
R5210	ERJ3GEYJ272	M.RESISTOR CH 1/16W 2.7K	1	[SPC]
R5211	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	[SPC]
R5212	ERJ3GEYF123	M.RESISTOR CH 1/16W 12K	1	[SPC]
R5213	ERJ3GEYJ393	M.RESISTOR CH 1/16W 39K	1	[SPC]
R5214	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R5215	ERJ3GEYJ822	M.RESISTOR CH 1/16W 8.2K	1	[SPC]
R5216	ERJ3GEYJ183	M.RESISTOR CH 1/16W 18K	1	[SPC]
R5217	ERJ3GEYJ223	M.RESISTOR CH 1/16W 22K	1	[SPC]
R5218	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R5219	ERJ3GEYJ153	M.RESISTOR CH 1/16W 15K	1	[SPC]
R5220,21	ERJ3GEYJ474	M.RESISTOR CH 1/16W 470K	2	[SPC]
R5222	ERJ3GEYF332	M.RESISTOR CH 1/16W 3.3K	1	[SPC]
R5223	ERJ3GEYJ752	M.RESISTOR CH 1/16W 7.5K	1	[SPC]
R5224	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	[SPC]
R5225	ERJ3GEYJ564	M.RESISTOR CH 1/16W 560K	1	[SPC]
R5226	ERJ3GEYJ155	M.RESISTOR CH 1/16W 1.5M	1	[SPC]
R5229	ERJ3GEYJ362	M.RESISTOR CH 1/16W 3.6K	1	[SPC]
R5230,31	ERJ3GEYJ511	M.RESISTOR CH 1/16W 510	2	[SPC]
R5232,33	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	2	[SPC]
R5234	ERJ3GEYJ181	M.RESISTOR CH 1/16W 180	1	[SPC]
R6001-03	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	3	[SPC]
R6004-18	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	15	[SPC]
R6019	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	[SPC]

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6020-22	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	3	[SPC]
R6023	ERJ6GMZ0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
R6024,25	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	2	[SPC]
R6026-28	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	3	[SPC]
R6029-33	ERJ6GMYG104	M.RESISTOR CH 1/10W 100K	5	[SPC]
R6034,35	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	2	[SPC]
R6036	ERJ6GEYJ221	M.RESISTOR CH 1/10W 220	1	[SPC]
R6037-39	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	[SPC]
R6040	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	1	[SPC]
R6041-43	ERJ6GMYJ103	M.RESISTOR CH 1/10W 10K	3	[SPC]
R6044	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	[SPC]
R6045-47	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	3	[SPC]
R6049	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	[SPC]
R6052	ERJ6GMYJ821	M.RESISTOR CH 1/10W 820	1	[SPC]
R6053	ERJ6GMYJ102	M.RESISTOR CH 1/10W 1K	1	[SPC]
R6064-67	ERJ6GMYG473	M.RESISTOR CH 1/10W 47K	4	[SPC]
R6069	ERJ6GMYJ221	M.RESISTOR CH 1/10W 220	1	[SPC]
R6201	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R6202-04	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	[SPC]
R6205	ERJ3GEYJ222	M.RESISTOR CH 1/16W 2.2K	1	[SPC]
R6206-08	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	3	[SPC]
R6212	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	1	[SPC]
R6301	ERJ3GEYJ103	M.RESISTOR CH 1/16W 10K	1	[SPC]
R6302,03	ERJ3GEYJ472	M.RESISTOR CH 1/16W 4.7K	2	[SPC]
R6305-08	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	4	[SPC]
R6401	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	[SPC]
R6402	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	[SPC]
R6403	ERJ6GEYJ102	M.RESISTOR CH 1/10W 1K	1	[SPC]
R6404	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	[SPC]
R6412	ERJ6GEYJ122	M.RESISTOR CH 1/10W 1.2K	1	[SPC]
R6413	ERJ6GEYJ152	M.RESISTOR CH 1/10W 1.5K	1	[SPC]
R6461	ERJ6GEYJ101	M.RESISTOR CH 1/10W 100	1	[SPC]
R6581	ERJ3GEYJ105	M.RESISTOR CH 1/16W 1M	1	[SPC]
R6582	ERJ3RBD331	M.RESISTOR CH 1/16W 330	1	[SPC]
R7001,02	ERJ3GEYJ102	M.RESISTOR CH 1/16W 1K	2	[SPC]
R7003	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
R7006	ERJ3GEYJ473	M.RESISTOR CH 1/16W 47K	1	[SPC]
RA2001	EXBV4V473J	RESISTOR-RESISTOR	1	[SPC]
RA2002	EXBV8V331J	RESISTOR-RESISTOR	1	[SPC]
RA2501,02	EXBV4V103J	RESISTOR-RESISTOR	2	[SPC]
RA3001-04	EXBV8V820J	RESISTOR-RESISTOR	4	[SPC]
RA3005	EXBV4V473J	RESISTOR-RESISTOR	1	[SPC]
RA3006-08	EXBV8V820J	RESISTOR-RESISTOR	3	[SPC]
RA3251,52	EXBV8V471J	RESISTOR-RESISTOR	2	[SPC]
RA3253	EXBV4V473J	RESISTOR-RESISTOR	1	[SPC]
RA6201	EXBV4V103J	RESISTOR-RESISTOR	1	[SPC]
RA6203-06	EXBV4V473J	RESISTOR-RESISTOR	4	[SPC]
RA6211	EXBV8V472J	RESISTOR-RESISTOR	1	[SPC]
RA6212	EXBV4V472J	RESISTOR-RESISTOR	1	[SPC]7EC,7EB,10EB,10EG
RA7001,02	EXBV8V473J	RESISTOR-RESISTOR	2	[SPC]
RA8001	EXBV8VR000	RESISTOR-RESISTOR	1	[SPC]
RA8003	EXBV8VR000	RESISTOR-RESISTOR	1	[SPC]
RA8005	EXBV8VR000	RESISTOR-RESISTOR	1	[SPC]

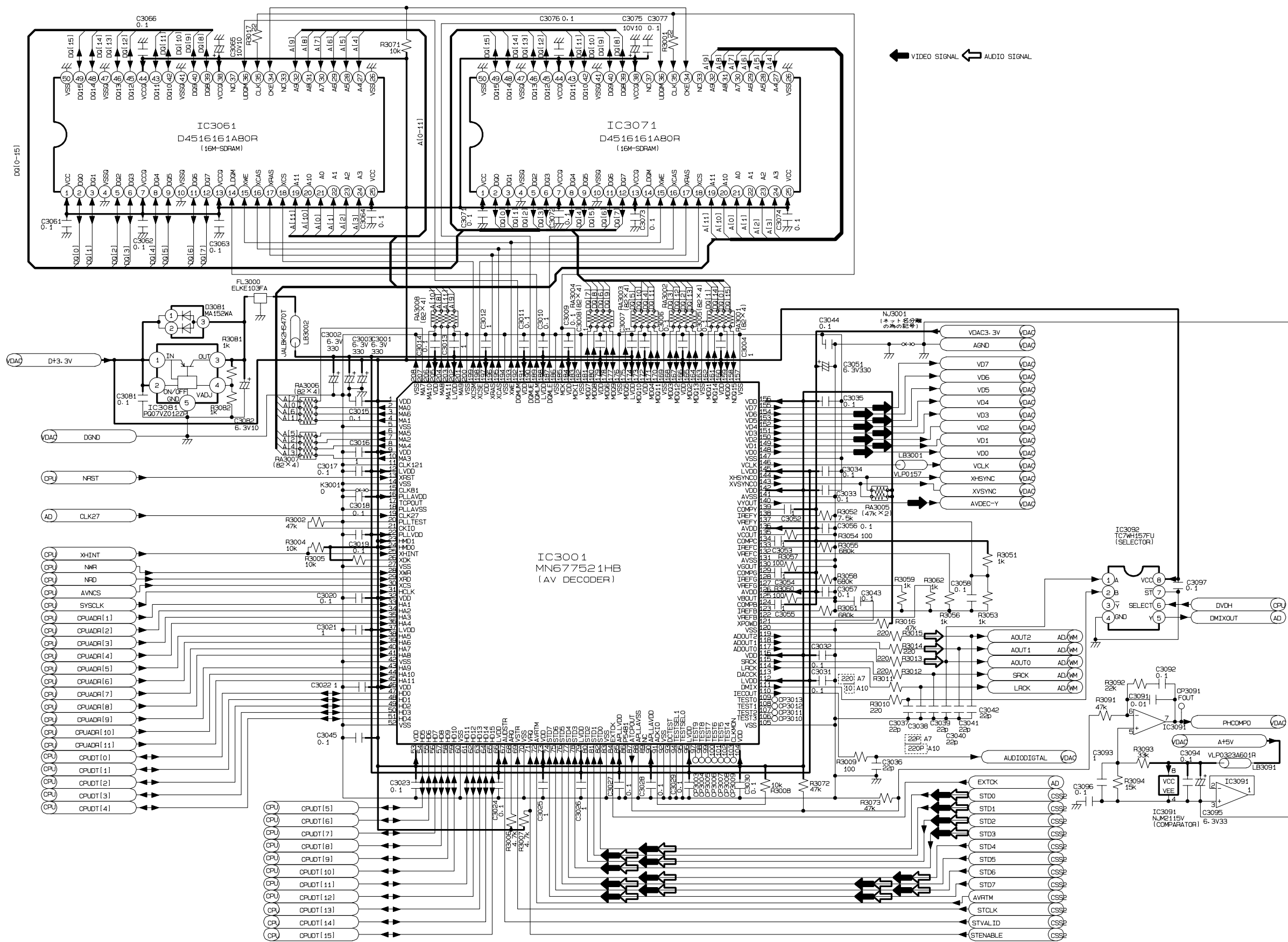
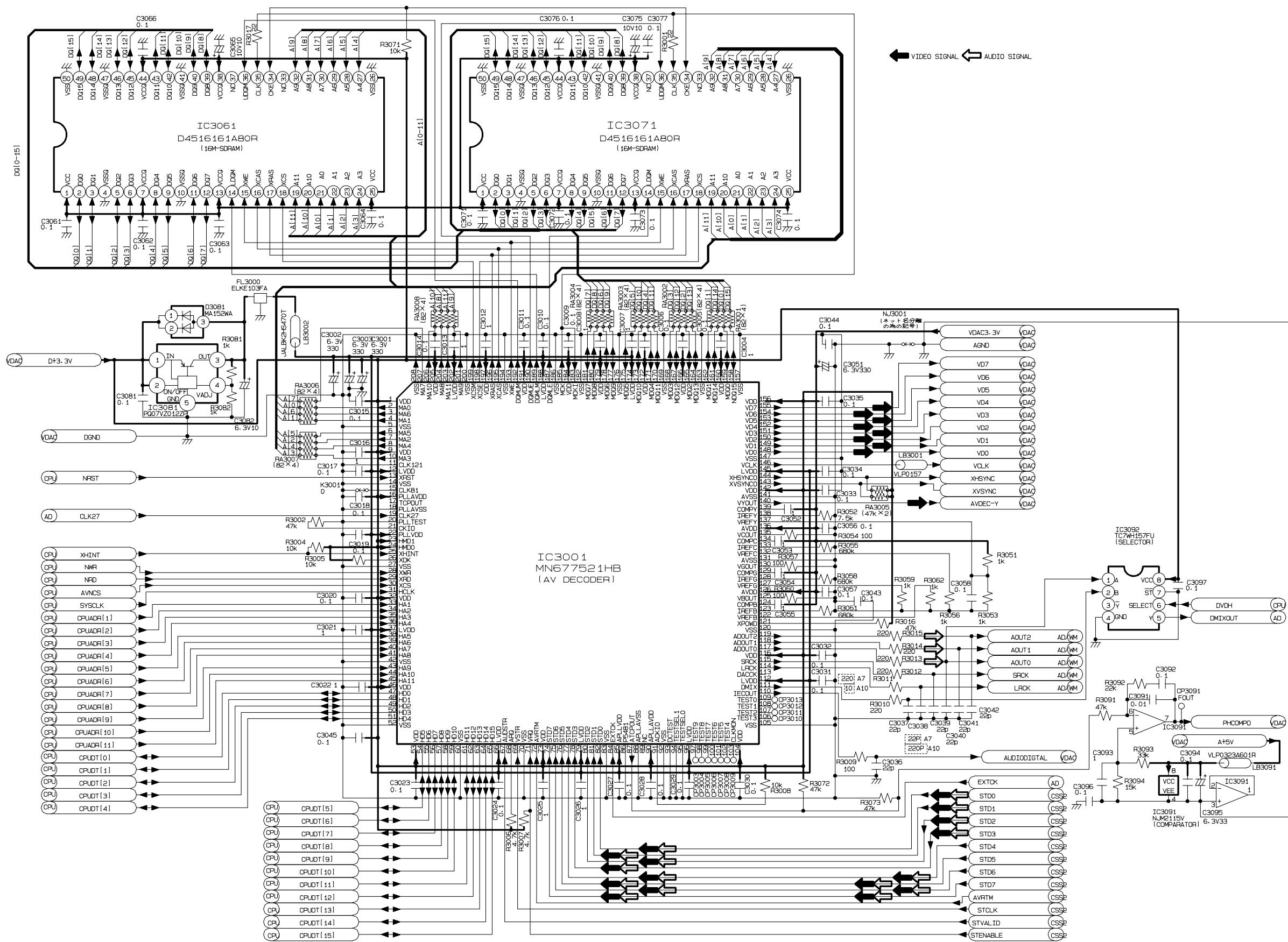
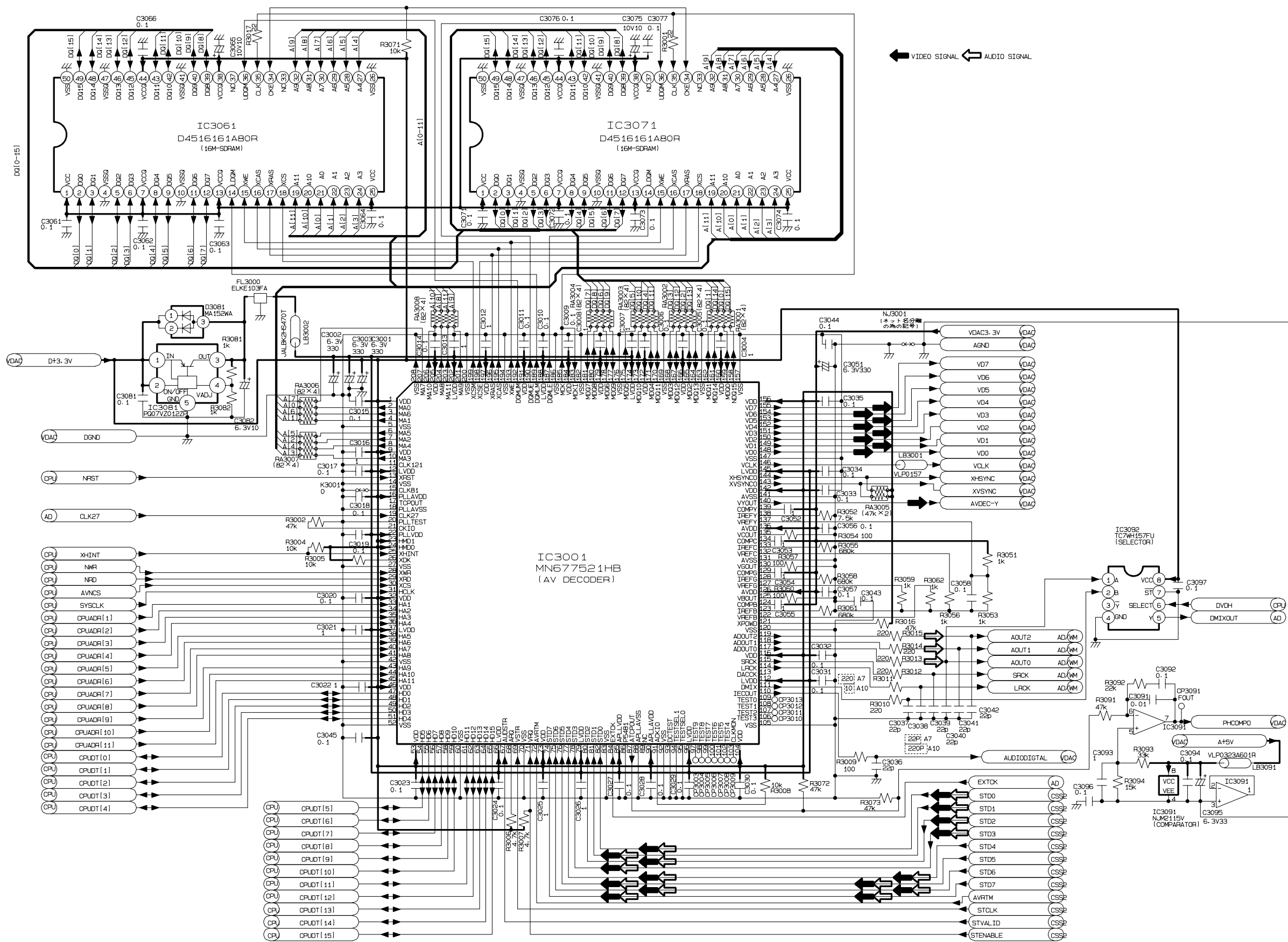
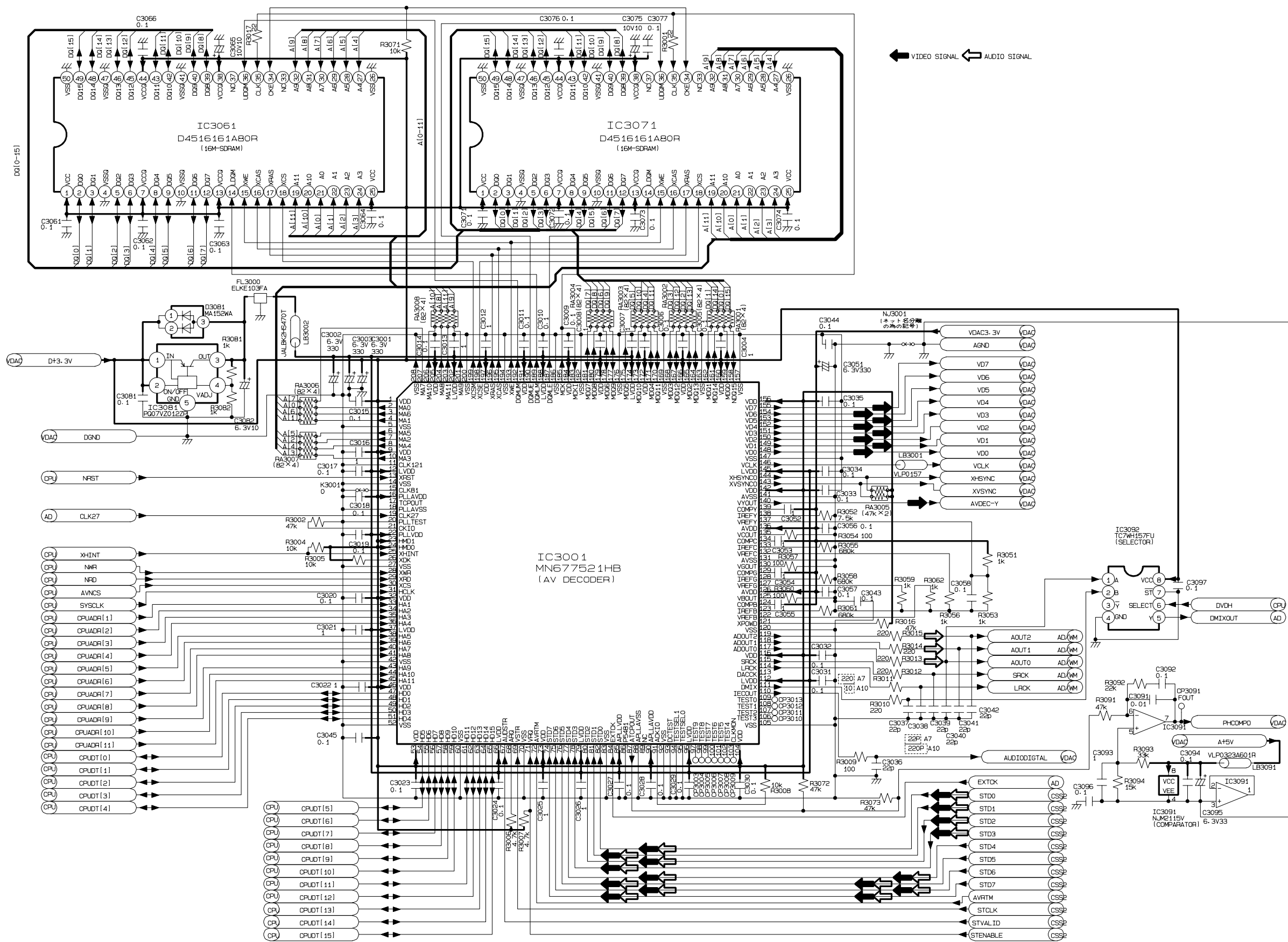
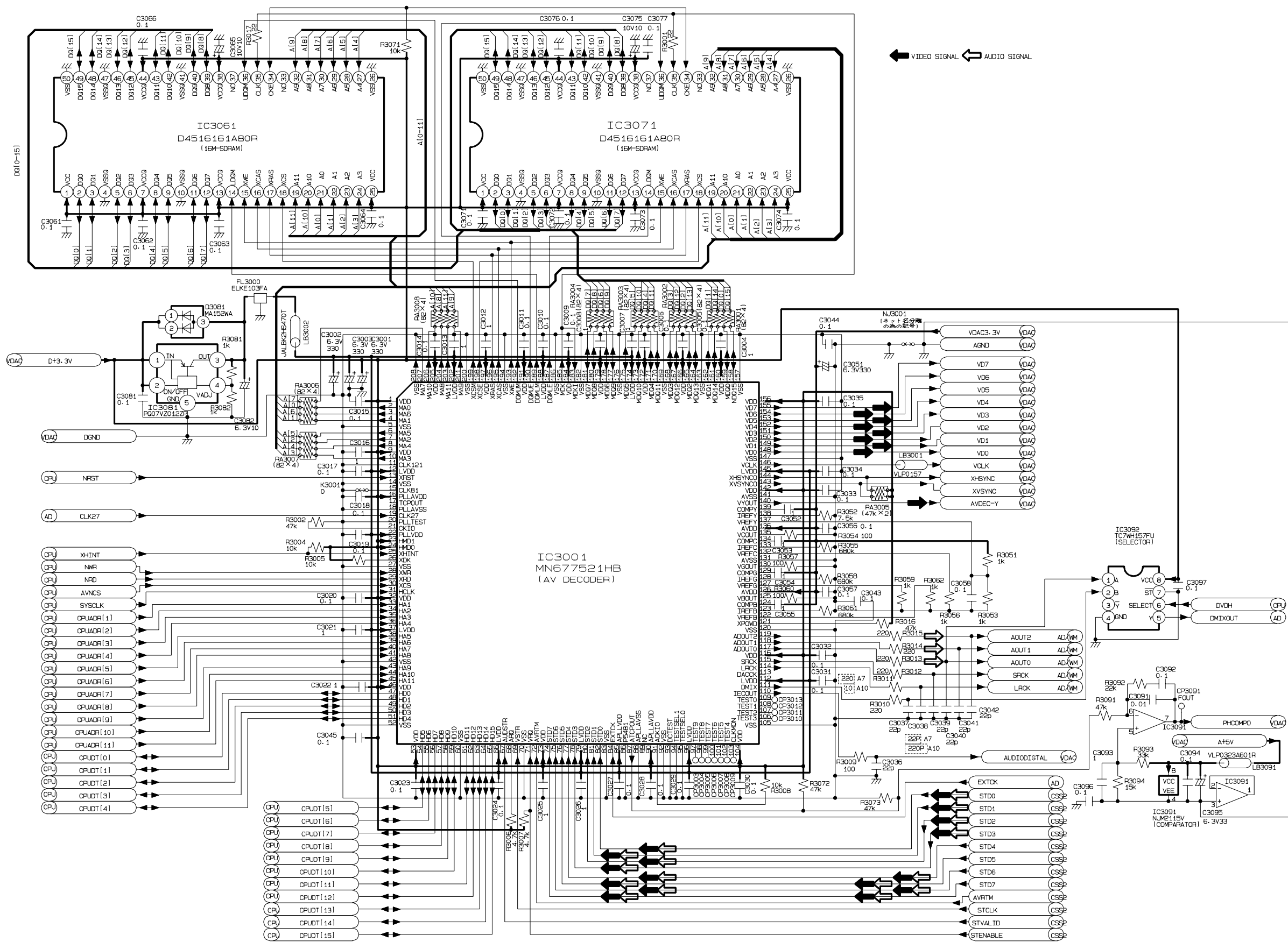
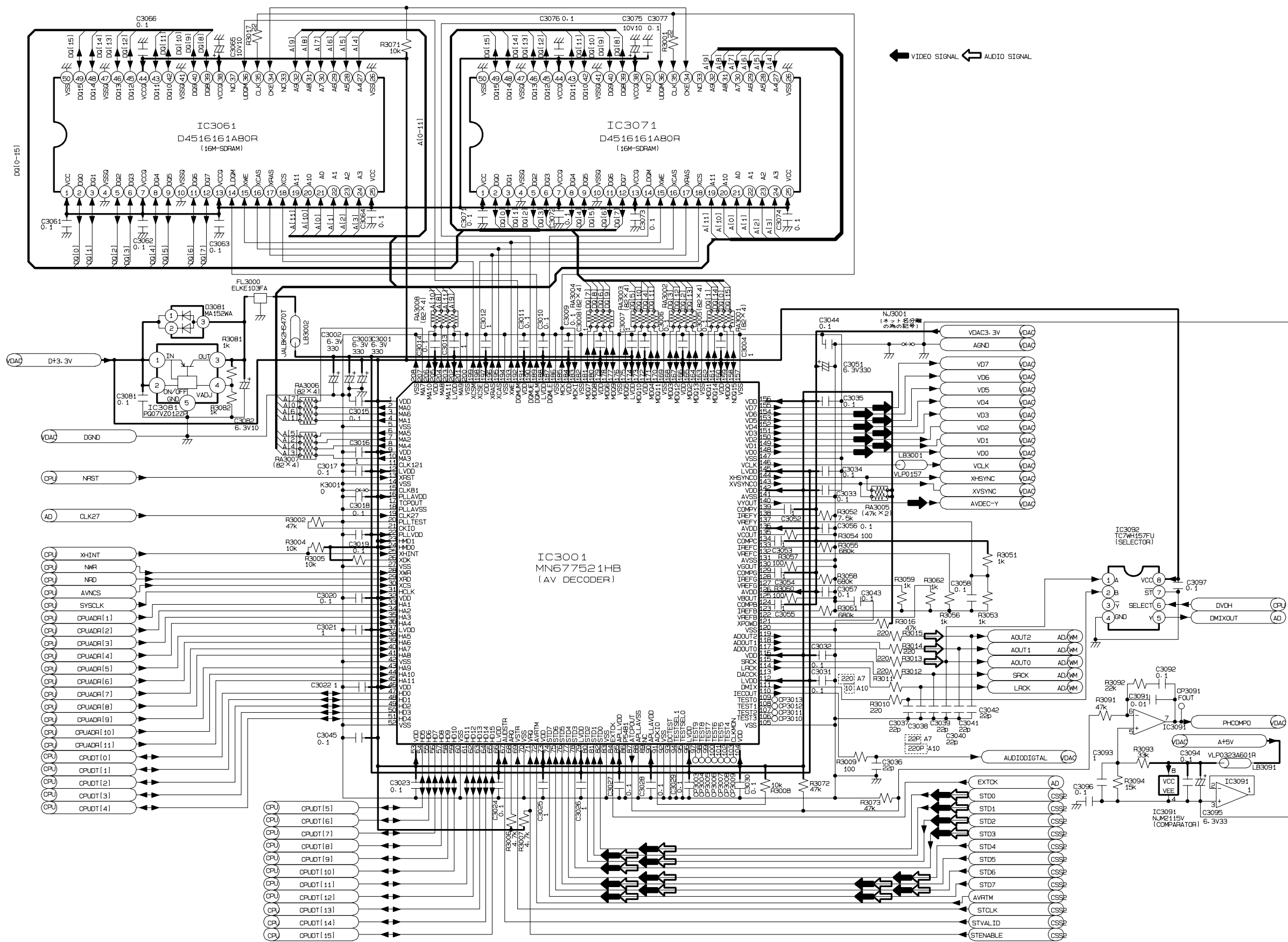
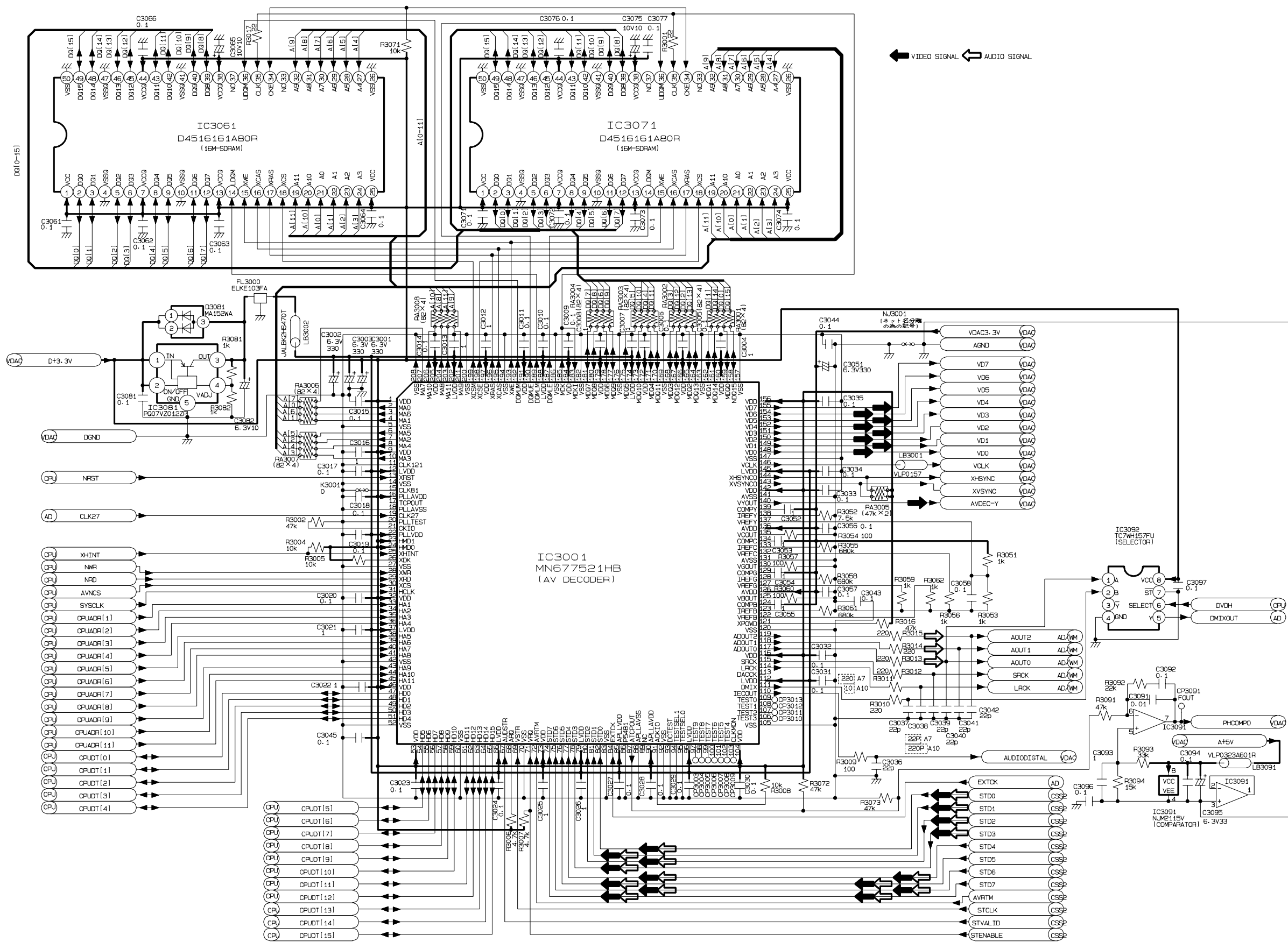
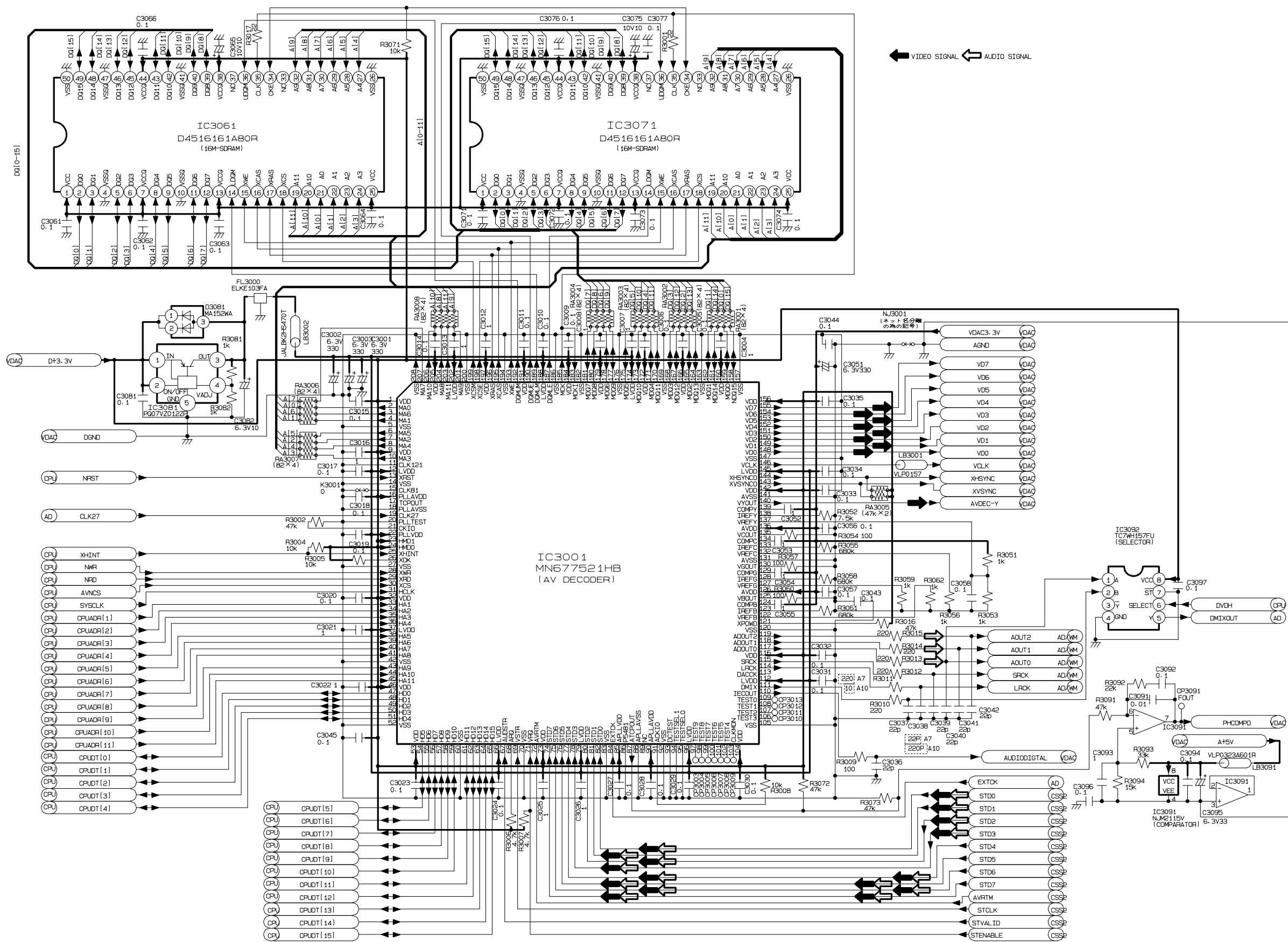
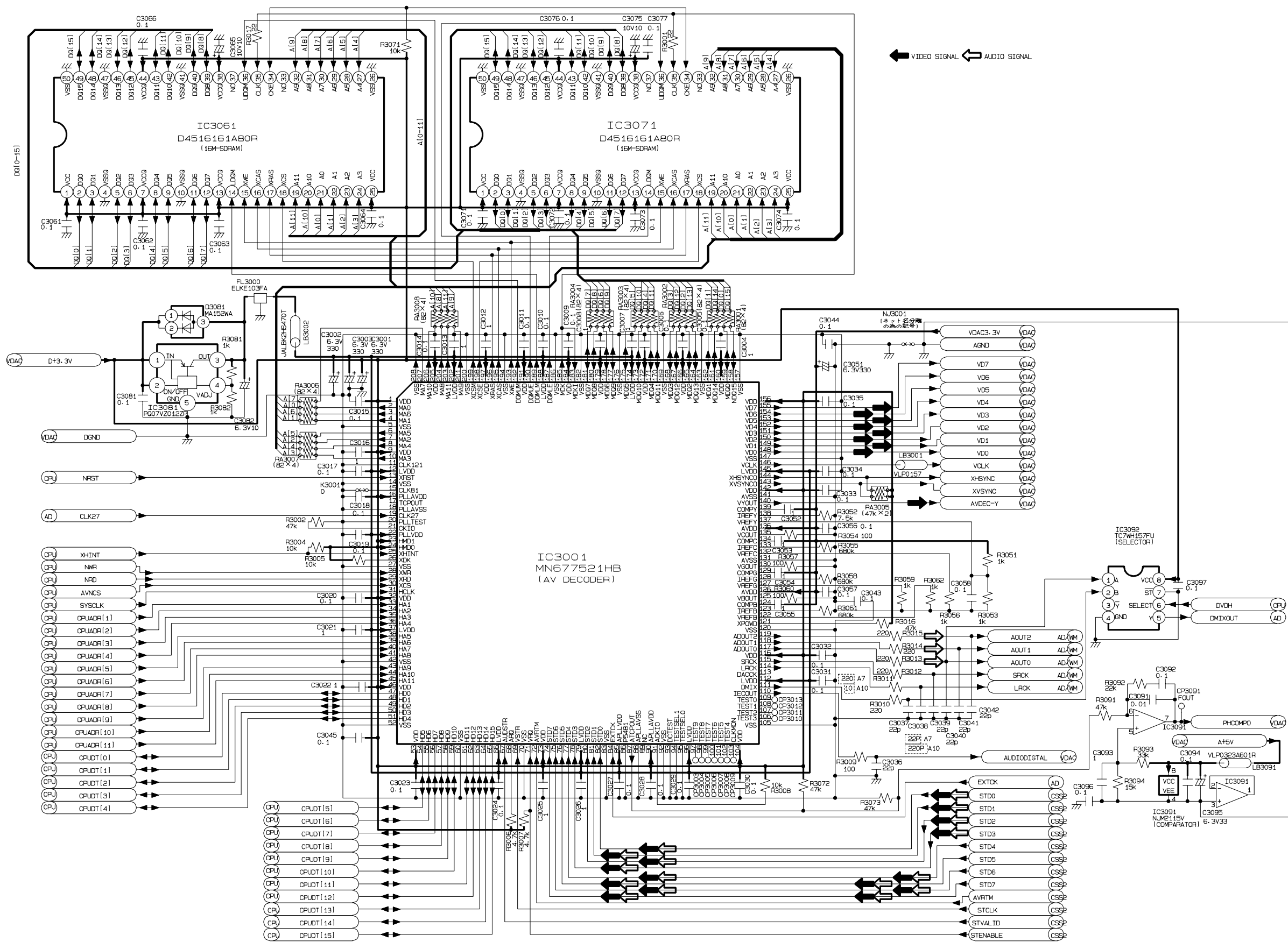
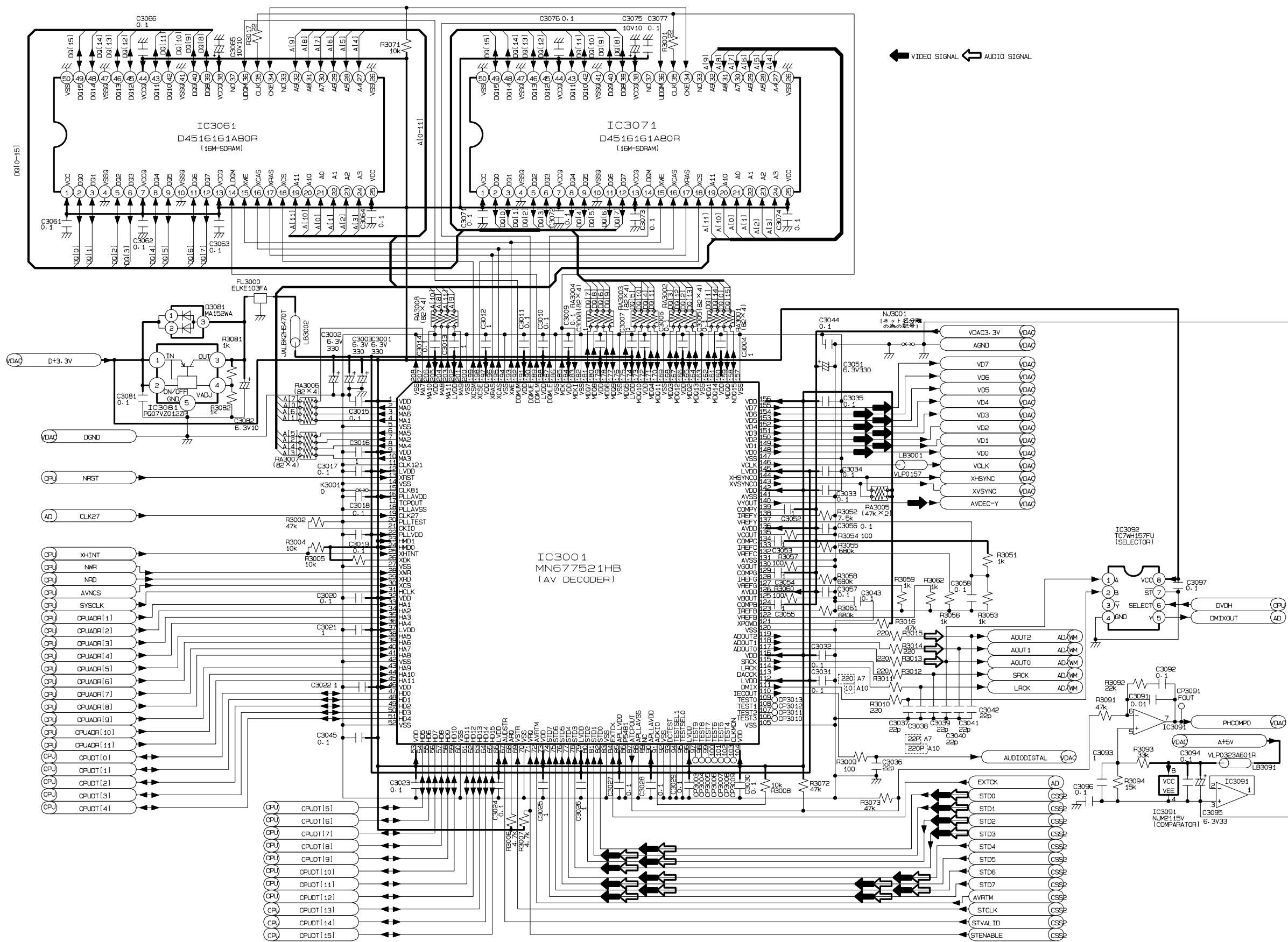
Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RY4302,03	VSY2180	RELAY	2	[SPC]7EC,7EB,10EB,10EG
RY4305	VSY2180	RELAY	1	[SPC]
RY4702	VSY2180	RELAY	1	[SPC]
S6402-08	EVQ11G07K	SWITCH	7	[SPC]
S6411-13	EVQ11G07K	SWITCH	3	[SPC]
T1021	ETE28K119AZ	TRANSFORMER	1	[SPC]7D,10PP
T1021	ETS29AD4H6AC	TRANSFORMER	1	[SPC]7EC,7EB,10EB,10EG
VR3201	VRV0293B102T	VARIABLE RESISTOR	1	[SPC]
VR3501	EVNCYAA03B13	TRIMMER POTENTIOMETER	1	[SPC]
VR3511	EVNCYAA03B13	TRIMMER POTENTIOMETER	1	[SPC]
VR4721	EVJY15FB6A14	ROTARY POTENTIOMETER	1	[SPC]
W001	ERDS2TY0	C.RESISTOR 1/4W 0	1	[SPC]
W2501	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
W3301	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
W5201	ERJ6GEY0R00	M.RESISTOR CH 1/10W 0	1	[SPC]
W5202	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
W8101	ERJ3GEY0R00	M.RESISTOR CH 1/16W 0	1	[SPC]
X4151	VSX1081	CRYSTAL OSCILLATOR	1	[SPC]
X4201	VSX1083	CRYSTAL OSCILLATOR	1	[SPC]
X4202	VSX1082	CRYSTAL OSCILLATOR	1	[SPC]
X6001	EF0EC8004A4	CERAMIC OSCILLATOR	1	[SPC]
X6503	VSX0944	CRYSTAL OSCILLATOR	1	[SPC]
ZA1001,02	EYF52BC	FUSE HOLDER	2	[SPC]
ZA1011	VMC1359	EARTH SPRING	1	[SPC]7D,10PP
ZA1111-13	VJR0978	EARTH ANGLE	3	[SPC]
ZA3501	VJR0978	EARTH ANGLE	1	[SPC]
ZA3502	VMC0851	EARTH SPRING	1	[SPC]
ZA3871	VMC1450	EARTH PLATE	1	[SPC]7EC,7EB,10EB,10EG
ZA3881	VMC1450	EARTH PLATE	1	[SPC]7EC,7EB,10EB,10EG
ZA4201	VJR0978	EARTH ANGLE	1	[SPC]
ZA4751	VJR0978	EARTH ANGLE	1	[SPC]
ZA4752	VMC1446	EARTH SPRING	1	[SPC]
ZA6001	VJR0978	EARTH ANGLE	1	[SPC]

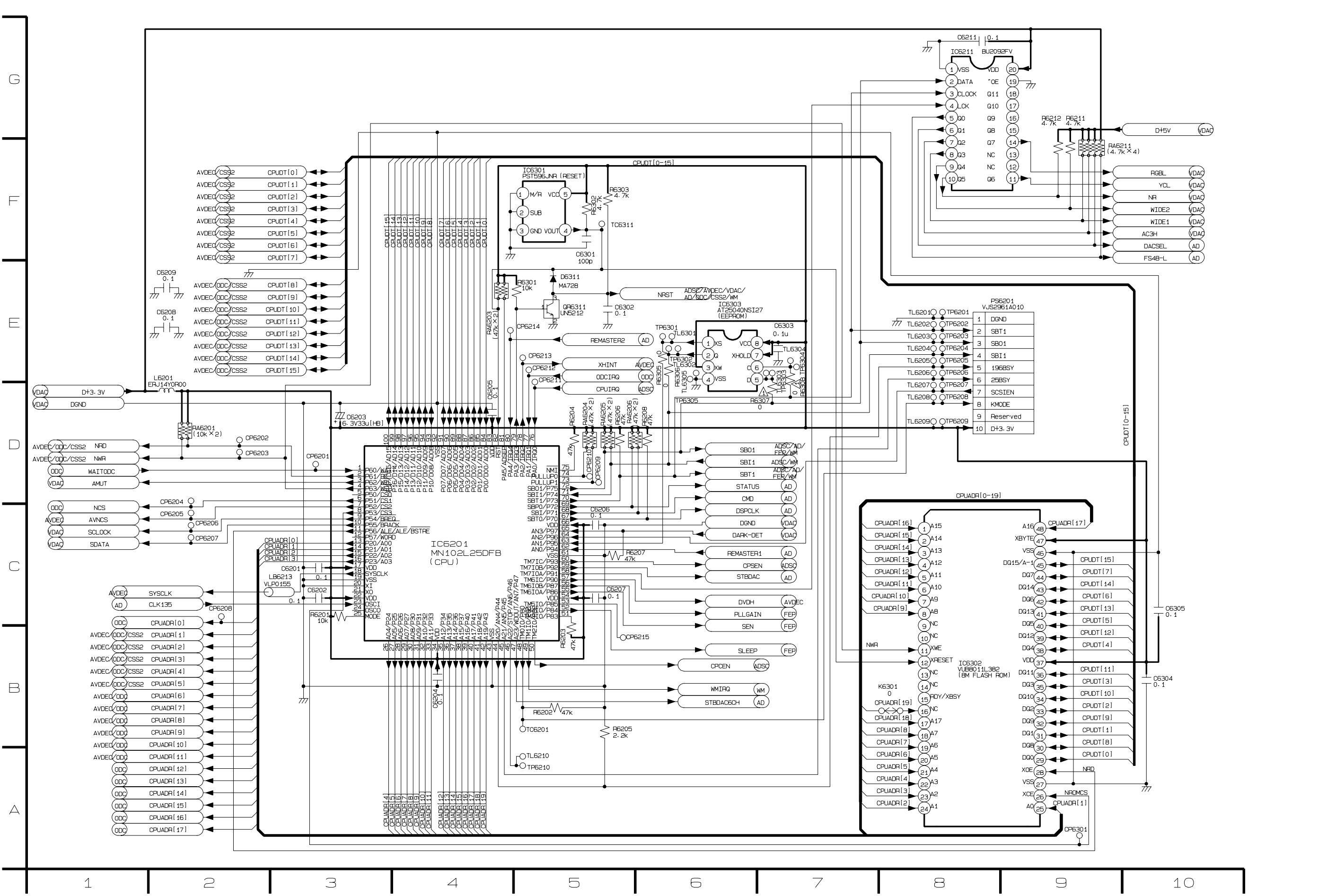
H000700000TK/TT

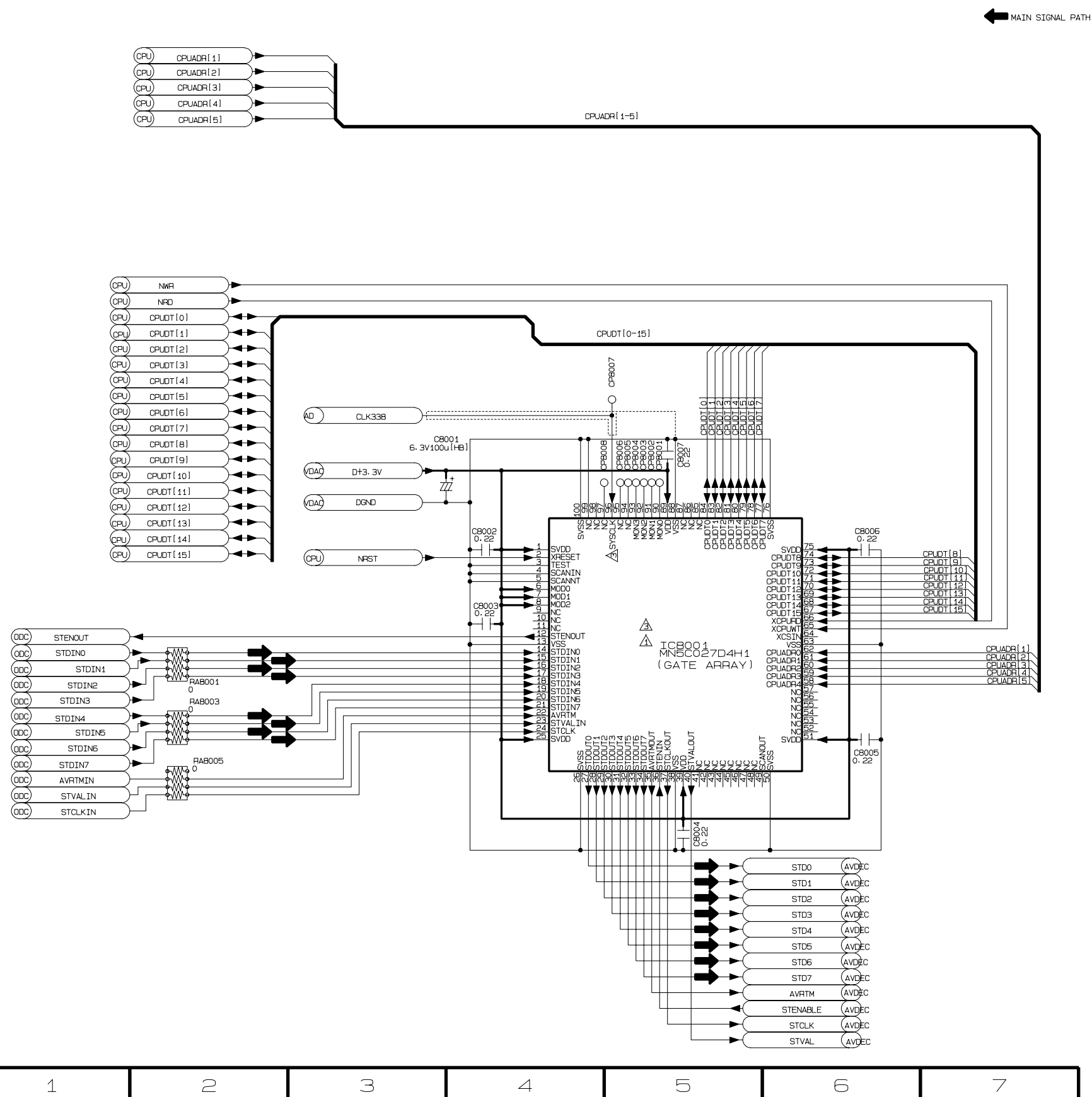
IC3001
(AV DEC)

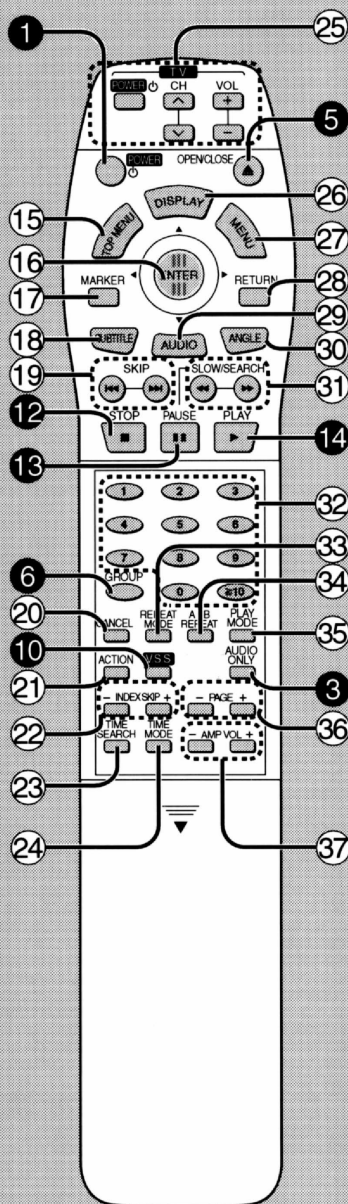
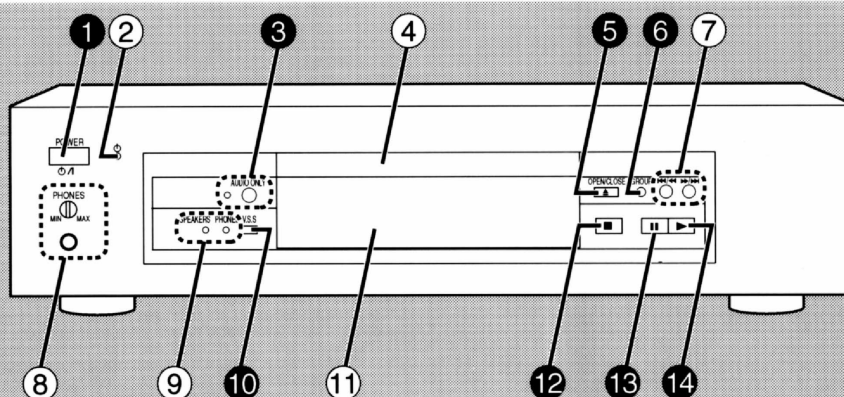












No. Name

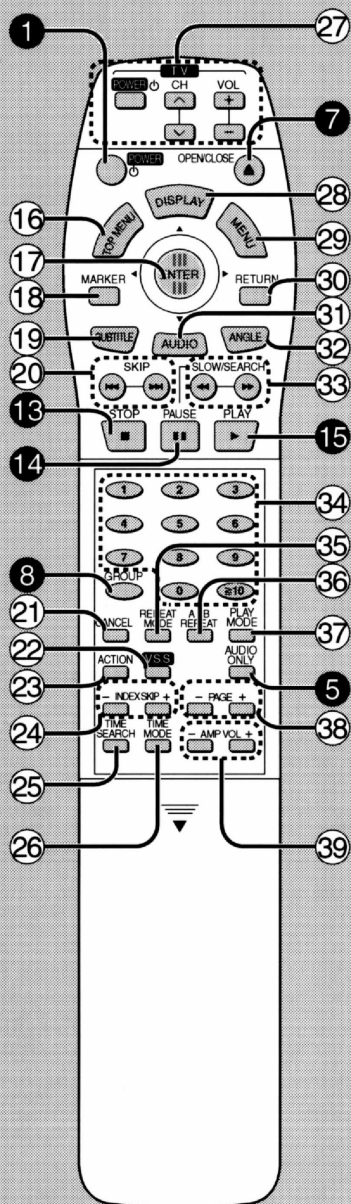
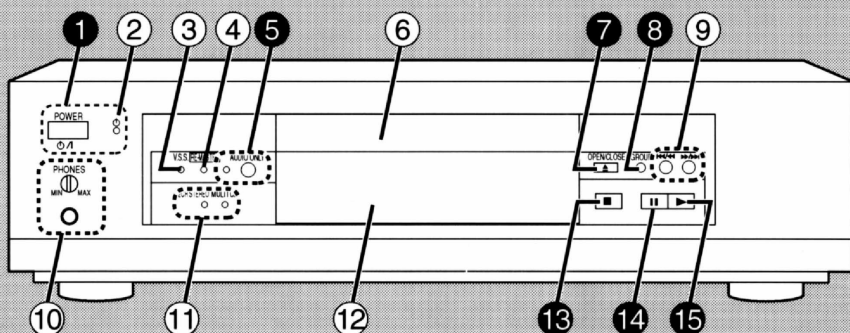
Main unit

- ① Power "⏻/⏻" switch (POWER, ⏻/⏻)
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ② Standby indicator (⏻)
When the unit is connected to the AC power supply, this indicator lights up in standby mode and goes out when the unit is turned on.
- ③ AUDIO ONLY button and indicator
- ④ Disc tray
- ⑤ OPEN/CLOSE button (▲)
- ⑥ GROUP select button
- ⑦ Skip and search buttons (◀◀/▶▶, ▶▶/▶▶)
- ⑧ Headphone jack and level control (PHONES)
- ⑨ V.S.S. mode indicator (SPEAKERS, PHONES)
- ⑩ V.S.S. (Virtual Surround Sound) button
- ⑪ Display
- ⑫ STOP button (■)
- ⑬ PAUSE button (⏸)
- ⑭ PLAY button (▶)

Remote control

- Buttons ①, ③, ⑤, ⑥, ⑩ and ⑫ to ⑭ function in the same way as the controls on the main unit.
- ⑮ Top menu display button
 - ⑯ Joystick
 - ⑰ Marker button
 - ⑱ Subtitle language button
 - ⑲ SKIP buttons (◀◀, ▶▶)
 - ⑳ Cancel button
 - ㉑ Initial settings button
 - ㉒ Index skip buttons
 - ㉓ Time search button
 - ㉔ Time mode button
 - ㉕ Television operation section
 - ㉖ Display button
 - ㉗ Menu display button
 - ㉘ Return button
 - ㉙ Soundtrack button
 - ㉚ Angle button
 - ㉛ SLOW/SEARCH buttons (◀◀, ▶▶)
 - ㉜ Numbered buttons
 - ㉝ Repeat mode button
 - ㉞ A-B REPEAT button
 - ㉟ Play mode button
 - ㊱ Page skip button
 - ㊲ Amplifier volume controls

DVD-A10



No.

Name

Main unit

- ① **Power "⏻/⏻" switch (POWER, ⏻/⏻)**
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
- ② **Standby indicator (⏻)**
When the unit is connected to the AC power supply, this indicator lights up in standby mode and goes out when the unit is turned on.
- ③ **V.S.S. (Virtual Surround Sound) indicator**
- ④ **RE-MASTER indicator**
Lights when the re-master circuit, which improves sound quality, is operating. (The re-master circuit works on 44.1/48 kHz 16 bit audio signals of 2 channels or less.)
- ⑤ **AUDIO ONLY button and indicator**
Disables video output while playing DVD audio.
- ⑥ **Disc tray**
- ⑦ **OPEN/CLOSE button (▲)**
- ⑧ **GROUP select button**
Press to select the groups on DVD audio.
- ⑨ **SKIP and SEARCH buttons (◀◀/▶▶, ▶▶/▶▶)**
- ⑩ **Headphone jack and headphone level control (PHONES)**
- ⑪ **Sound track channel indicators**
MULTI CH: Lights when a signal of 3 or more channels is detected.
2 CH STEREO: Lights when a 2-channel signal is detected.
- ⑫ **Display**
- ⑬ **STOP button (■)**
- ⑭ **PAUSE button (||)**
- ⑮ **PLAY button (▶)**

Remote control

Buttons ①, ②, ③, ④ and ⑤ to ⑮ function in the same way as the controls on the main unit.

- ⑯ **Top menu display button**
- ⑰ **Joystick**
- ⑱ **Marker button**
- ⑲ **Subtitle language button**
- ⑳ **SKIP buttons (◀◀, ▶▶)**
- ㉑ **Cancel button**
- ㉒ **V.S.S. (Virtual Surround Sound) button**
- ㉓ **Initial settings button**
- ㉔ **Index skip button**
- ㉕ **Time search button**
- ㉖ **Time mode button**
- ㉗ **Television operation section**
- ㉘ **Display button**
- ㉙ **Menu display button**
- ㉚ **Return button**
- ㉛ **Soundtrack button**
- ㉜ **Angle button**
- ㉝ **SLOW/SEARCH buttons (◀◀, ▶▶)**
- ㉞ **Numbered buttons**
- ㉟ **Repeat mode button**
- ㊱ **A-B REPEAT button**
- ㊲ **Play mode button**
- ㊳ **Page skip button**
- ㊴ **Amplifier volume buttons**

Ref No.	IC2001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.1	0	0	0	3.1	0	3.1	3.1	0	3.1	3.1	0	0.1	0.1	0	3.1	0	0.1	0.1	1.6
PLAY	3.1	0	0	0	3.1	0	3.1	3.1	0	3.1	3.1	0	3.1	0	3.1	0	0	3.1	1.5	1.8
Ref No.	IC2001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	1.6	0.1	1.6	1.6	1.6	1.6	0	3.1	0	1.6	0.1	0.9	0	3.1	0	0	0	0	0	0
PLAY	1.5	1.8	1.5	1.5	1.5	1.5	0	3.1	0	1.6	0	0	3.1	3.1	3.0	0	0	0	0	0
Ref No.	IC2001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	1.6	0	0	0.2	0	0	0	0	0	0	0	3.1	0	0	0	0	0	0	0	1.5
PLAY	1.6	1.5	0	0.2	0	0	0	0	0	0	0	3.1	0	0	1.5	0	3.1	0	0	0
Ref No.	IC2001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0.2	1.5	0.2	0.2	0	0	0	0	3.1	3.1	1.5	0	0	3.1	0	0	1.4	0	0	0
PLAY	0	0.1	1.5	1.5	0	0	0	0	3.1	3.1	1.4	0.1	0	3.1	0.1	0.5	0.1	2.1	3.1	0.1
Ref No.	IC2001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	1.3	0	0	0	1.4	0	1.4	0	1.4	0.6	1.4	1.4	1.4	1.4	0	0	3.1	0.1	0.1	1.6
PLAY	1.1	1.4	0.1	0.1	0.1	1.4	1.3	2.1	1.4	0.6	1.4	1.4	1.4	1.2	1.2	0	3.1	1.5	1.9	1.6
Ref No.	IC2001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP	0.1	1.4	1.4	1.4	1.4	3.1	0.1	0.1	0.1	1.5	0.1	0	0	3.1	0.1	0	0.1	1.4	0	1.6
PLAY	1.4	1.3	1.4	1.6	0.3	3.1	0.2	1.4	0.2	0.2	1.4	0	0	3.1	2.3	0	1.2	1.4	0	1.5
Ref No.	IC2001																			
MODE	121	122	123	124	125	126	127	128												
STOP	0.1	0	0.1	0.4	0.1	0.1	0	3.1												
PLAY	1.6	0	0	0.6	0	0	0	0												
Ref No.	IC2501																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	2.2	5.0	5.0	5.0	5.0	5.0	5.0	0	2.1	2.1	0	5.0	0	2.2	2.2	0.6	0.1	0	0
PLAY	0.3	2.9	2.9	0.3	2.9	2.9	2.9	0.8	3.5	2.1	2.1	0	4.9	0	0	0.3	0.6	0	0.3	0.3
Ref No.	IC2501																			
MODE	21	22	23	24	25	26	27	28	29	30										
STOP	8.9	8.9	2.2	2.2	2.2	2.2	2.3	2.1	0	0										
PLAY	8.8	8.8	7.2	0.3	0	7.2	0	7.2	0	0										
Ref No.	IC2511																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.1	1.4	1.4	1.4	0.1	0.1	1.4	0	2.4	4.9	0.1	0.1	0.1	0.4	5.8	2.2	5.8	2.3	8.9	2.4
PLAY	1.4	0.8	1.4	1.5	1.3	1.3	0.7	0	3.1	4.9	2.5	2.5	0.5	2.7	3.2	5.1	3.2	1.2	8.8	3.1
Ref No.	IC2511																			
MODE	21	22	23	24	25	26	27	28	29	30										
STOP	0	1.4	1.4	1.4	1.4	1.4	1.4	8.9	0	0										
PLAY	0	1.2	1.4	1.4	1.4	1.4	1.2	1.4	8.8	0	0									

Ref No.	IC3001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.2	0	1.2	0.1	0	1.2	0	0.8	3.2	1.2	0	2.5	3.5	0	0	3.2	0.9	0	1.5	0
PLAY	3.2	0	1.4	0.1	0	1.5	0.1	0	3.2	1.4	0	2.5	3.5	0	0	3.2	0	0	1.5	0
Ref No.	IC3001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	2.5	3.2	3.2	3.1	3.2	0	3.2	2.9	3.2	1.5	3.2	2.4	2.4	2.3	2.3	2.6	2.3	2.3	2.1
PLAY	0	0	3.2	3.1	2.5	3.1	0	3.2	2.7	3.1	1.5	3.2	2.0	1.9	1.9	1.9	2.5	1.9	2.0	1.8
Ref No.	IC3001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	2.1	0	2.0	2.2	1.9	3.1	0.1	2.6	2.8	2.7	2.8	0.1	3.2	2.7	2.8	2.8	2.7	2.7	2.7	0
PLAY	1.6	0	1.6	2.0	1.5	3.2	2.3	2.2	2.5	2.4	2.5	0	3.2	2.4	2.6	2.7	2.3	2.3	2.5	0
Ref No.	IC3001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	2.7	2.3	0.1	2.8	2.8	2.5	0	3.2	1.7	0.1	3.2	3.3	3.2	0.1	0.1	0	0.1	0.1	0.1	0.1
PLAY	2.4	2.5	2.4	2.6	2.6	2.5	0.1	0.7	1.6	0	0.4	3.3	3.2	3.1	3.0	3.0	3.3	3.3	2.5	3.3
Ref No.	IC3001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0.1	0.1	0	1.4	2.5	0.1	1.5	0	0.2	0.2	3.2	0	0	0	0	2.5	3.2	0.2	0	0
PLAY	3.3	3.3	0	0	2.5	0	1.5	0	0	3.2	3.2	0	0	0	0	2.5	3.2	3.2	0	0
Ref No.	IC3001																			
MODE	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
STOP	0	0.1	0	3.2	0	0	0	0.1	0.1	1.6	0	2.5	1.4	1.6	1.6	3.2	0.1	0	0	0
PLAY	0	0	0	3.2	0	0	0	0	0	1.6	0	2.5	1.5	1.6	1.6	3.2	0	0	0	0
Ref No.	IC3001																			
MODE	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140
STOP	3.1	0	0	2.4	2.8	0	3.3	0	0.4	2.8	0	0	0.4	2.8	0	3.3	1.6	1.6	2.1	0
PLAY	3.1	0	0	2.9	0	3.3	0	0.4	2.9	0	0	0	0.2	0	0	3.3	1.6	1.6	2.1	0
Ref No.	IC3001																			
MODE	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160
STOP	0	3.2	3.2	2.9	2.5	1.6	0	0	0.5	0.5	0.5	1.5	0.6	0.2	1.2	3.2	0	2.9	3.0	3.2
PLAY	0	3.2	3.1	2.9	2.5	1.6	0	0	0.8	0.6	0	1.2	0.9	0.9	1.6	3.2	0	3.0	3.0	2.2
Ref No.	IC3001																			
MODE	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
STOP	2.8	2.9	0	2.9	2.9	0	2.9	2.9	0	2.8	3.1	3.2	2.9	2.5	2.7	0	2.9	2.9	2.9	2.9
PLAY	3.0	3.0	0	2.9	0	3.2	2.8	2.6	0	2.6	2.8	0	2.5	2.5	2.7	0	2.7	2.7	3.2	3.0
Ref No.	IC3001																			
MODE	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
STOP	2.9	0	1.7	3.2	1.7	0	3.1	2.5	2.8	3.1	3.2	2.8	3.1	0	3.1	3.1	3.1	3.2	3.0	0
PLAY	2.8	0	1.7	3.2	1.7	0	3.1	2.5	2.6	3.1	3.2	2.6	3.1	0	3.1	3.1	3.1	0.3	3.0	0
Ref No.	IC3001																			
MODE	201	202	203	204	205	206	207	208												
STOP	0	2.5	0.1	0	3.2	0	1.2	0												
PLAY	0	2.5	1.2	0	3.2	0	1.3	0												
Ref No.	IC3061																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.2	2.9	2.9	0	2.9	2.9	3.2	3.1	2.9	0	2.9	2.9	3.2	2.8	3.1	3.1	3.1	3.0	0.7	0
PLAY	3.2	3.0	3.0	0	3.0	2.9	3.2	3.0	2.8	0	2.8	3.0	3.2	2.9	3.1	3.1	3.1	3.0	1.1	0
Ref No.	IC3061																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	1.2	3.2	0	0.8	1.2	1.2	1.2	0.5	0.1	0.1	3.2	1.7	2.8	0.1	3.2	2.9	0
PLAY	0	0	0	1.9	3.2	0	1.6	1.2	0.4	0.4	0	0	0.4	0.4	1.7	2.6	0.2	3.2	2.9	2.9
Ref No.	IC3061																			
MODE	41	42	43	44	45	46	47	48	49	50										
STOP	0	2.9	2.9	3.2	3.0	2.9	0	2.8	0.4	0										
PLAY	0	0.2	2.8	3.2	3.0	3.0	0	2.9	2.9	0.2										
Ref No.	IC3071																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.2	2.9	2.9	0	2.9	2.9	3.2	3.1	2.9	0	2.8	2.9	3.2	3.2	3.1	3.1	3.0	3.2	0.7	0
PLAY	3.2	2.8	2.8	0	2.9	2.9	3.2	3.0	3.0	0	2.9	2.9	3.2	3.1	3.1	3.1	3.1	3.2	1.0	0
Ref No.	IC3071																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	1.2	3.2	0	0.8	1.2	1.2	1.2	0.1	0	0.1	3.2	0.1	0.1	0.1	3.1	2.9	2.9
PLAY	0	0	0	1.1	1.5	3.2	0.2	1.0	1.4	1.3	1.2	0	0	0.2	3.2	1.7	3.1	0.3	3.2	2.7
Ref No.	IC3071																			
MODE	41	42	43	44	45	46	47	48	49	50			1	2	3	4	5			
STOP	0	2.9	2.9	3.2	3.0	0.1	0.1	0.1	0.1	0.1			3.1	3.1	2.5	1.3	0			
PLAY	0	2.9	2.9	3.1	3.0	0.3	0	2.7	2.8	0			0.8	3.1	2.5	1.3	0			

Ref No.	IC3201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.3	0	0	0	0	1.7	0	0.3	0	0	3.3	0	0	3.3	3.3	3.3	0	0	3.3	3.3
PLAY	3.3	0.2	0.2	0.2	0.1	0.1	0.8	0.9	1.6	3.0	3.3	0	0	3.3	3.3	3.3	0	0	3.3	3.3
Ref No.	IC3201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	3.3	0	1.6	0.9	0	0.0	3.3	0	0	3.3	0	3.3	0	3.3	0	2.1	1.6	0	0	0
PLAY	3.3	0	1.6	0.9	0.7	0	3.3	0	0.2	3.3	0.2	3.3	0.7	3.3	0.2	0.3	1.5	1.5	0	0
Ref No.	IC3201								IC3281											
MODE	41	42	43	44	45	46	47	48		1	2	3	4	5	6					
STOP	0	0	0	3.1	3.3	3.3	0	1.5		4.5	0	0	0	0	0					
PLAY	0	0	0	3.1	0.3	3.3	0	1.5		4.9	0	1.3	3.3	0	4.9					
Ref No.	IC3301																			
MODE	1	2	3	4	5	6	7	8												
STOP	0	2.4	2.4	0	2.2	2.0	3.1	0												
PLAY	3.2	2.4	2.5	0	2.2	2.4	0	0												
Ref No.	IC3302																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0.1	0.1	0	0	0	0	0	0	0	4.8	0.1	2.6	1.9	0.1	0.1	4.9				
PLAY	0.2	1.0	0	0	0	0	0	0	0	0.2	2.6	2.6	2.6	2.9	0.2	4.9				
Ref No.	IC3321																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0.1	4.9	3.8	0.1	0.1	0.1	0	0	3.8	4.9	0	1.1	0.1	0.1	4.9				
PLAY	0	0	4.9	3.8	2.7	0	0.2	0	0	3.8	4.9	2.2	1.1	0.3	3.9	4.9				
Ref No.	IC3322						IC4241						IC5201							
MODE	1	2	3	4	5		1	2	3	4	5		1	2	3	4	5			
STOP	2.7	0.1	0	2.1	4.9		0	2.4	0	2.6	5.0		0	4.9	1.3	2.2	0			
PLAY	2.2	0.1	0	2.6	4.9		0	2.4	0	2.6	5.0		0	4.9	3.3	1.6	0			
Ref No.	IC5202																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0.1	0.1	0	1.6	1.6	1.8	0.1	0.1	1.4	0.8	0.1	1.4	0.1	0.1	0.1	0.1	0.1	3.1	0.1
PLAY	0.2	3.1	3.3	0.5	1.6	1.6	1.8	2.1	1.6	1.3	0.8	1.3	0.3	0.3	0.6	0.3	0.3	0	0.3	0.3
Ref No.	IC5202																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0.1	3.1	0.1	4.9	0.1	1.2	0	0	1.4	0.1	0	0	1.4	0	0	0	0	0	0	0
PLAY	3.1	3.1	0.3	0.3	0	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	3.8
Ref No.	IC5202																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0	0	4.9	0	0	0.1	0.1	1.6	0.1	3.1	0	4.9	0	4.9	0	0	2.2	2.5	0
PLAY	0.3	0.2	2.4	4.9	0	0	0.1	0.2	0.1	1.5	3.1	0.3	4.8	0	4.8	0.5	1.2	2.2	2.0	2.0
Ref No.	IC5202																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	1.6	0	1.3	0.2	0	1.6	1.4	0.1	0.1	2.2	0.1	0.1	0.1	3.4	3.4	0.1	0	2.1	2.1
PLAY	1.5	1.6	0	1.1	0.2	0.2	1.6	1.4	1.8	2.0	2.3	2.3	2.2	2.9	0.3	3.6	1.1	2.1	2.1	1.3
Ref No.	IC5202																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	4.9	0.1	2.2	3.4	0.1	2.0	2.1	1.4	0.1	0.1	0.1	0.1	4.9	2.1	0.1	0.1	0.1	0.1	2.2	0.1
PLAY	4.8	1.4	1.3	3.6	3.4	2.0	1.4	1.3	1.3	1.2	1.3	2.0	4.8	2.0	2.0	1.3	2.0	2.1	1.3	1.3
Ref No.	IC6201																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	3.1	2.9	0	0	0	0	0	2.7	3.3	3.3	0	0	1.7	2.4	0	2.3	3.1	1.5	0	0
PLAY	3.1	2.7	3.1	3.1	0	0	3.1	2.5	3.3	0	0	3.1	1.0	0	0	1.9	3.1	1.5	0	0
Ref No.	IC6201																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	3.1	3.1	1.4	3.1	0	2.5	2.5	2.5	2.3	0	2.2	2.3	0	3.1	2.1	2.8	2.8	2.8	2.0	2.0
PLAY	0	0	1.4	3.1	3.1	1.8	2.0	2.2	0	0	0.6	0.3	0.3	3.1	0	0	0	0	0	0
Ref No.	IC6201																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	2.0	2.0	0	0.1	0	0	0	0	0	3.1	0.2	3.1	3.1	3.1	3.1	3.1	0.3	3.1	3.1	3.1
PLAY	0	0	0	0	0	0	0	0	0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0	0.3	3.1	0.3
Ref No.	IC6201																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	0	1.6	3.1	0.3	0.3	3.1	2.7	0.3	2.6	3.1	3.1	3.1	0.3	0.3	0.3	3.1	3.1	0	0	3.1
PLAY	0.3	1.4	0.3	0	0	3.1	3.1	3.1	0.1	0.1	3.1	3.1	3.1	3.1	0.1	3.1	0.1	0.1	0.1	0.1
Ref No.	IC6201																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	0.2	0.2	3.1	0.2	3.1	0.2	0.2	0.3	0.3	0.3	3.1	0	0.3	0.3	3.1	0.2	0.2	0.2	3.1	3.1
PLAY	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0	3.1	3.1	3.1	0.1	3.1	3.1	3.1	3.1
Ref No.	IC6211																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	3.1	3.1	3.1	5.0	3.5	0	4.3	4.2	3.6	0	0	0	0	0	0	0	0	0	5.1
PLAY	0	2.2	3.1	3.1	5.0	3.5	0	4.2	4.2	3.6	0	0	0	0	0	0	0	0	0	5.0
Ref No.	IC6301																			
MODE	1	2	3	4	5															
STOP	0	0	0	3.1	3.1															
PLAY	0	0	0	3.1	3.1															
Ref No.	IC6302																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	1.8	2.7	2.8	2.8	1.8	2.0	0.1	1.9	0.1	0	3.1	3.1	0	0	0.1	0	0	2.1	0	2.

Ref No.	IC3531																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.4	0	2.3	4.9	2.3	4.9	2.3	4.9	2.0	0	1.9	2.0	0	2.4	4.9	2.0	1.5	0	2.0	1.6
PLAY	2.4	0	2.4	4.9	2.3	4.9	2.2	4.9	1.9	0	1.9	1.9	0	2.4	4.9	2.4	1.6	0	2.4	1.8
Ref No.	IC3531				IC4202					IC4203					IC4204					
MODE	21	22		1	2	3	4	5		1	2	3	4	5		1	2	3		
STOP	0	0		0	2.5	0	2.4	5.0		0	2.4	0	2.4	5.0		8.9	0	5.1		
PLAY	0	0		0	2.5	0	2.4	5.0		0	2.4	0	2.4	5.0		8.9	0	5.1		
Ref No.	IC4205																			
MODE	1	2	3																	
STOP	8.9	0	5.1																	
PLAY	8.9	0	5.1																	
Ref No.	IC4206																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	2.5	0	2.5	2.4	0	0	2.4	0	0	0	2.3	0	0	0	2.5	2.5	0	5.1	5.1	0
PLAY	2.5	5.1	2.5	2.4	0	5.1	5.1	2.5	0	0	0	2.3	0	0	0	2.5	2.5	1.8	5.1	0
Ref No.	IC4206																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	0	0	0	5.1	0	0	5.1	5.0	0	0	2.9	0	5.1	0	2.5	0	0	0	2.5	2.5
PLAY	0	0	0	5.1	0	5.0	5.1	5.0	0.5	0	0	0	5.1	2.5	2.5	0	0	0	2.5	2.5
Ref No.	IC4206																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	5.1	0	5.1	5.1	0	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	2.5	2.5	0	0
PLAY	5.1	5.1	5.1	5.1	0	0	0	0	0	0	0	0	5.1	5.1	5.1	5.1	2.5	2.5	0	0
Ref No.	IC4206					IC4207														
MODE	61	62	63	64		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
STOP	0	2.5	2.5	5.1		3.1	5.0	3.0	5.0	3.1	5.0	0	5.0	3.1	0	0	0	0	5.0	
PLAY	0	2.5	0	0		3.1	5.0	3.0	5.0	3.1	5.1	0	5.0	3.1	0	0	0	0	5.0	
Ref No.	IC4251																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
STOP	0	0	0	0	3.1	5.1	0	2.5	1.5	2.5	1.5	0	0	5.1						
PLAY	0	0	0	0	3.1	5.1	0	2.5	1.5	2.5	1.5	1.8	1.1	5.1						
Ref No.	IC4252																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	1.5	1.8	2.4	2.4	0	5.0	5.1	0	2.5	0	2.5	0	5.1	2.5	0	2.5	0	5.1
PLAY	0	1.1	15	1.9	2.4	2.4	0	5.0	5.1	0	2.5	0	2.5	0	5.1	2.5	0	1.5	0	5.1
Ref No.	IC4252																			
MODE	21	22	23	24	25	26	27	28												
STOP	0	5.0	0	5.1	5.0	5.0	5.0	5.0												
PLAY	2.3	5.0	0	5.1	5.0	5.0	5.0	5.0												
Ref No.	IC4253																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	1.5	0	1.5	0	2.4	2.4	0	5.1	5.0	0	2.5	0	2.5	0	5.1	2.5	0	0	0	5.1
PLAY	1.5	0	1.5	0	2.4	2.4	0	5.1	5.0	0	2.5	0	2.5	0	5.1	2.5	0	2.5	0	5.1
Ref No.	IC4253																			
MODE	21	22	23	24	25	26	27	28												
STOP	0	5.0	0	5.1	5.0	5.0	5.0	5.0												
PLAY	0	5.0	0	5.1	5.0	5.0	5.0	5.0												
Ref No.	IC4254																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	1.5	0	1.5	1.9	2.4	2.4	0	5.1	5.1	0	2.5	0	2.5	0	5.1	1.6	0	2.5	0	5.1
PLAY	1.5	0	1.5	1.9	2.4	2.4	0	5.1	5.1	0	0	0	2.5	0	5.1	2.5	0	2.5	0	5.1
Ref No.	IC4254								IC4255					IC4256						
MODE	21	22	23	24	25	26	27	28		1	2	3	4	5		1	2	3	4	5
STOP	0	4.9	0	5.1	5.0	5.0	5.0	5.0		0	2.4	0	2.4	5.0		0	0	0	2.4	5.0
PLAY	0	4.9	0	5.1	5.0	5.0	5.0	5.0		0	2.4	0	2.4	5.0		0	0	0	2.4	5.0
Ref No.	IC4257					IC4258					IC4259									
MODE	1	2	3	4	5		1	2	3	4	5		1	2	3	4	5			
STOP	0	2.4	0	2.4	5.0		0	2.4	0	2.4	5.0		0	2.4	0	2.4	5.0			
PLAY	0	2.4	0	2.4	5.0		0	2.4	0	2.4	5.0		0	2.4	0	2.4	5.0			
Ref No.	IC4260																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	2.5	2.5	2.5	2.5	0	0	0	2.4	0	0	2.5	2.5	2.5	2.5	0	0	5.1
PLAY	0	0	0	2.5	2.5	2.5	2.5	0	0	0	2.4	0	0	2.5	2.5	2.5	2.5	0	0	5.1
Ref No.	IC4261																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	0	2.5	2.5	2.5	2.5	0	0	0	2.4	0	0	2.5	2.5	2.5	2.5	0	0	5.1
PLAY	0	0	0	2.5	2.5	2.5	2.5	0	0	0	2.4	0	0	2.5	0	2.5	2.5	0	0	5.1
Ref No.	IC4262					IC4263										IC4264				
MODE	1	2	3	4	5		1	2	3	4	5	6	7	8		1	2	3	4	5
STOP	0	2.5	0	2.4	5.0		2.4	2.4	2.4	0	2.4	5.0	0	5.0		0	2.5	0	2.4	5.0
PLAY	0	2.5	0	2.4	5.0		2.4	2.4	2.4	0	0	5.0	0	5.0		0	2.5	0	2.4	0
Ref No.	IC4304								IC4308											
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0.1	2.0	2.0	-8.0	2.0	2.0	0	8.2		0	0	0	-8.0	3.8	3.8	8.2	8			
PLAY	0.1	2.0	2.0	-8.0	2.0	2.0	0	8.2		0	0	0	-8.0	3.1	3.1	8.2	8.1			

Ref No.	IC4309									IC4310										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0	0	0	-8.0	5.1	5.0	8.2	8.2		0	0	0	-8.0	0	0	0	8.1			
PLAY	0	0	0	-8.0	4.5	4.4	8.2	8.2		0	0	0	-8.0	0	0	0	8.1			
Ref No.	IC4311									IC4312										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
PLAY	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
Ref No.	IC4314									IC4316										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
PLAY	-0.5	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
Ref No.	IC4317									IC4318										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
PLAY	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
Ref No.	IC4319									IC4701										
MODE	1	2	3	4	5	6	7	8		1	2	3	4	5	6	7	8			
STOP	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
PLAY	0	0	0	-8.0	0	0	0	8.2		0	0	0	-8.0	0	0	0	8.2			
Ref No.	IC4751				IC4753															
MODE	1	2	3		1	2	3	4	5	6	7	8								
STOP	0	5.0	2.6		2.5	2.5	2.4	0	2.5	2.4	2.5	5.0								
PLAY	0	5.0	0		2.3	0	0	0	2.5	0	2.5	5.0								
Ref No.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0.7	3.8	4.1	1.8	4.8	4.8	4.8	4.8	2.3	2.3	0	0	4.7	0	0	4.8	4.8	4.8	1.8	1.8
PLAY	0.6	4.2	4.3	1.9	4.8	4.8	0.2	4.8	2.3	2.3	0	0	4.7	0	0	4.8	4.8	4.8	1.9	1.9
Ref No.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	1.8	1.8	1.8	4.8	1.7	4.8	0	4.8	4.8	4.8	4.8	0	4.7	4.7	1.7	1.6	1.7	1.6	0	0
PLAY	1.9	1.9	1.9	4.8	0	4.8	0	0	0	0	4.8	0	4.7	1.9	1.9	0	0	0	0	0
Ref No.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0.3	0.3	0.3	0.3	4.4	4.8	0	0	-1.2	-16.5	-16.2	-15.1	-16.2	-25.5	-25.4	-25.4	-25.4	-25.4	-25.5
PLAY	0	0.5	0.5	0.5	0	0	4.8	0	0	0	-17.1	-16.8	-16.9	-16.8	-25.5	-25.4	-25.4	-25.4	-25.4	-25.5
Ref No.	IC6001																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
STOP	-25.4	-25.5	-25.4	-18.1	-21.0	-9.2	-16.0	-16.0	-20.5	-18.2	-15.9	-20.6	-23.0	-16.3	-18.4	0	-23.0	-20.0	-20.8	-18.4
PLAY	-25.4	-25.5	-25.4	-18.1	-21.0	-9.2	-16.0	-16.0	-20.5	-18.2	-15.9	-20.6	-23.0	-16.3	-17.1	0	-23.0	-20.0	-20.8	-20.8
Ref No.	IC6001																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
STOP	-13.7	-20.0	-23.0	-20.0	-18.4	-18.5	-25.3	-24.0	-23.1	-20.1	-16.4	-18.6	-20.1	-20.8	-23.7	-14.1	-20.7	-20.4	-25.3	-27.6
PLAY	-13.1	-20.0	-23.0	-20.0	-16.0	-21.9	-27.7	-20.8	-23.1	-20.1	-18.4	-14.0	-23.1	-23.1	-23.1	-9.3	-16.3	-20.9	-26.5	-27.8
Ref No.	IC6002				IC6003				IC6004						IC6005					
MODE	1	2	3		1	2	3		1	2	3	4	5		1	2	3	4	5	
STOP	4.8	0	4.8		4.8	0	4.8		2.6	2.6	0	4.1	4.8		2.5	2.5	0	3.9	4.8	
PLAY	4.8	0	4.8		4.8	0	4.8		2.8	2.8	0	4.3	4.8		0	2.6	0	4.1	4.8	

Ref No.	Q3501				Q3502				Q3503				Q3511				Q3512			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	1.7	0	1.0		1.1	4.9	1.7		1.7	0	1.0		3.1	0	2.5		2.5	4.9	3.1	
PLAY	1.9	0	1.3		1.3	4.9	1.9		1.9	0	1.2		3.1	0	2.5		2.5	4.9	3.1	
Ref No.	Q3513				Q3561				Q3571				Q3601				Q3602			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	1.8	0	1.2		0.9	4.9	1.5		0.9	4.9	1.5		1.3	2.2	2.0		1.5	4.9	2.2	
PLAY	1.8	0	1.2		0.9	4.9	1.5		0.9	4.9	1.5		1.3	2.2	2.0		1.5	4.9	2.2	
Ref No.	Q3603				Q4301				Q4302				Q4303				Q4304			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	3.2	0	2.5		0	0	0.7		0	0	0.7		0	0	-1.4		0	0	-1.4	
PLAY	3.2	0	2.5		0	0	-2.1		0	0	-5.8		0	0	-0.7		0	0	-0.6	
Ref No.	Q4307				Q4308				Q4309				Q4310				Q4311			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	0	0	-1.8		0	0	-1.4		0	0	0.7		0	0	0.7		0	0	0.7	
PLAY	0	0	-0.7		0	0	-0.7		0	0	-2.5		0	0	-3.2		0	0	-0.7	
Ref No.	Q4312				Q4317				Q4319				Q4320				Q4901			
MODE	E	C	B		S	D	G		E	C	B		E	C	B		E	C	B	
STOP	0	0	0.7		0	8.1	0		0	0	-1.4		0	0	-1.4		9.0	9.0	8.3	
PLAY	0	0	-0.7		0	8.1	0		0	0	-0.7		0	0	-0.6		9.0	9.0	8.3	
Ref No.	Q4911				Q4912				Q4913				Q4951				Q4952			
MODE	E	C	B		E	C	B		E	C	B		S	D	G		E	C	B	
STOP	-8.8	-10.1	-9.4		0	-9.4	-0.6		-9.4	-9.4	-8.7		9.0	8.9	9.0		8.2	9.0	8.8	
PLAY	-8.8	-10.1	-9.4		0	-9.4	-0.6		-9.4	-9.4	-8.7		9.0	8.9	9.0		8.2	9.0	8.8	
Ref No.	Q4961				Q4963				Q6009											
MODE	S	D	G		E	C	B		E	C	B									
STOP	-8.8	-8.7	-8.7		-8.0	-8.8	-8.6		-20.5	-20.5	-19.7									
PLAY	-8.8	-8.7	-8.8		-8.0	-8.8	-8.6		-20.5	-20.5	-19.8									

Ref No.	QR3521				QR3522				QR3601				QR4202				QR4204			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	0	0	3.1		0	0	3.1		0	0	3.1		4.2	4.1	0		4.2	4.1	0	
PLAY	0	0	3.1		0	0	3.1		0	0	3.1		0	0	1.0		0	-0.9	0	
Ref No.	QR4303				QR4304				QR4305				QR4306				QR4307			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	0	8.2	0		0	9.0	-4.0		9.0	0	9.0		0	9.0	-3.8		9.0	0	9.0	
PLAY	0	8.2	0		0	9.0	-0.6		9.0	0	8.9		0	9.0	-1.1		9.0	0	9.0	
Ref No.	QR4308				QR4309				QR4591				QR4592				QR4593			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	0	0	3.5		9.0	8.9	0		0	0	3.1		5.1	5.0	3.4		0	0	5.0	
PLAY	0	0	3.5		9.0	8.9	0		0	0	3.1		5.1	5.0	3.3		0	0	4.9	
Ref No.	QR4594				QR6003				QR6004				QR6005				QR6007			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
STOP	0.1	-3.5	0		4.8	4.8	0.2		0	3.2	0		4.8	-4.6	4.7		4.8	-4.7	4.8	
PLAY	0.1	-2.1	0		4.8	4.8	0.2		0	3.2	0		4.8	-0.2	4.8		4.8	0	4.8	
Ref No.	QR6008				QR6009				QR6010				QR6011							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
STOP	5.1	5.1	0		4.8	-0.1	4.8		4.8	-0.1	4.8		4.8	-0.1	4.8					
PLAY	5.1	5.1	0		4.8	-0.2	4.8		4.8	-0.3	4.8		4.8	4.8	0.2					

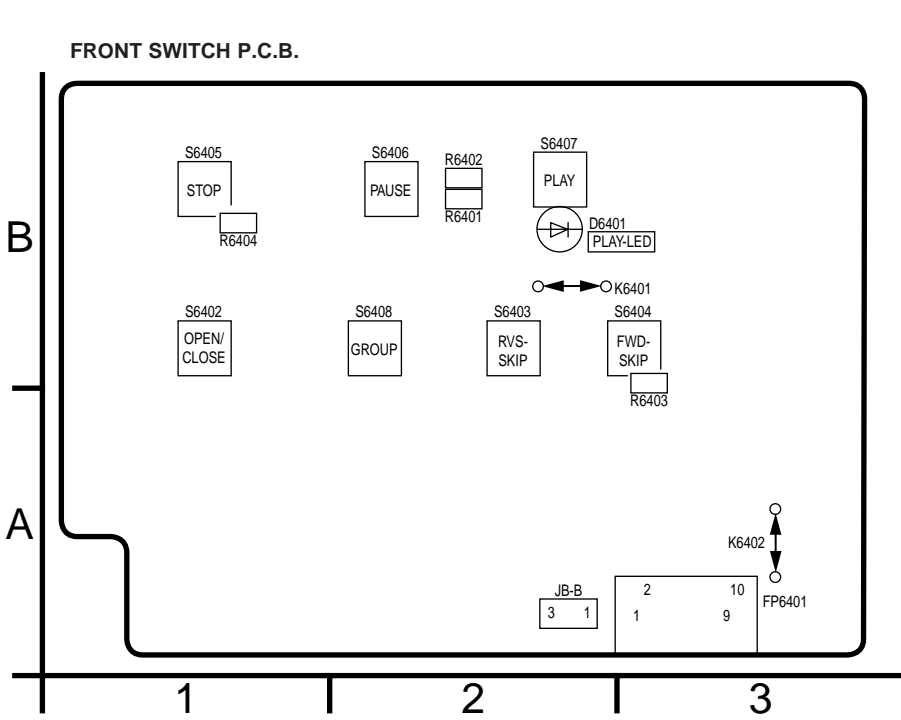
Ref No. MODE	IC3581																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
STOP	0	0	0	0.9	0	0.2	0.9	0	2.6	2.7	0.5	2.6	2.7	0.8	0.7	4.9				
PLAY	0	0	0	0.9	0	0.2	0.9	0	2.6	2.7	0.5	2.6	2.7	0.8	0.7	4.9				

MODULE P.C.B.										
Transistors			IC3081 IC3201 IC3281 IC3301 IC3302 IC3321 IC3322 IC4201 IC4211 IC4221 IC4231 IC4241 IC4251 IC5201 IC5202 IC6201 IC6301 IC6302 IC6303 IC6521 IC6541 IC6542 IC6561 IC6562 IC6563 IC6581 IC6582 IC6583 IC6601 IC7001 IC7201 IC7301 IC7302	C-8 ③ D-12 ② D-9 ③ D-8 ③ C-10 ② C-10 ② D-9 ③ E-3 ③ E-3 ③ E-2 ③ E-1 ③ D-18 ② F-15 ② A-3 ③ B-4 ③ C-17 ② D-17 ② B-2 ③ D-2 ③ E-15 ② E-4 ③ E-4 ③ E-4 ③ E-6 ③ E-4 ③ E-4 ③ E-4 ③ E-15 ② C-7 ③ C-15 ② B-16 ② D-3 ③ D-2 ③	Test Points			Adjustments		
Q3201	E-7 ③				TP5201	B-3 ③		VR3201	E-13 ②	
Q3211	E-7 ③				TP5206	B-3 ③		Connectors		
Q3221	E-8 ③				TP5207	B-3 ③		FP2501 FP2511 FP2512 FP5201 FP7001 PS3201 PS4201 PS6201	A-5 ③ A-7 ③ A-12 ② A-15 ② F-15 ② F-7 ③ F-3 ③ E-15 ②	
Q3231	E-8 ③				TP5208	A-3 ③				
Q3241	E-8 ③				TP6201	D-1 ③				
Q3301	E-8 ③				TP6202	F-4 ③				
Q3302	D-8 ③				TP6203	B-3 ③				
Q3303	D-8 ③				TP6204	E-2 ③				
Q3304	D-9 ③				TP6205	C-1 ③				
Q3305	C-9 ③				TP6206	D-1 ③				
Q3321	C-9 ③				TP6207	D-1 ③				
Q3322	C-9 ③				TP6208	C-1 ③				
Q3331	D-8 ③				TP6209	D-1 ③				
Q5201	A-16 ②				TP6210	C-1 ③				
Transistor-resistors					TP6251	F-8 ③				
QR2001	B-14 ②				TP6252	F-8 ③				
QR2501	B-11 ②				TP6253	E-8 ③				
QR2502	B-12 ②				TP6254	F-8 ③				
QR2503	B-11 ②				TP6255	E-8 ③				
QR5201	B-14 ②				TP6256	E-8 ③				
QR5202	A-5 ③				TP6257	E-8 ③				
QR5203	B-3 ③				TP6258	E-8 ③				
QR6311	C-17 ②				TP6259	F-8 ③				
Integrated Circuits					TP6501	E-4 ③				
IC2001	C-14 ②				TP6502	E-4 ③				
IC2501	B-8 ③				TP6503	E-4 ③				
IC2511	B-7 ③									
IC3001	D-6 ③									
IC3061	D-13 ②									
IC3071	E-4 ③									

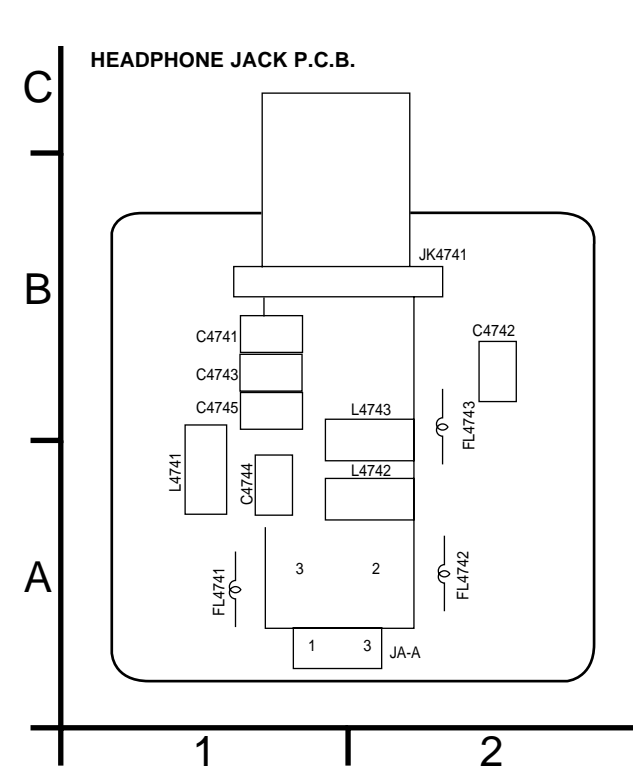
ADDRESS INFORMATION
③ ... COMPONENT SIDE
② ... FOIL SIDE

MOTHER P.C.B.							
Transistors		Transistor-resistors		Integrated Circuits		Adjustments	
Q3501	C-3	QR3521	A-2	IC3531	B-3	VR3501	B-3
Q3502	C-3	QR3522	B-2	IC3581	B-2	VR3511	B-2
Q3503	B-3	QR3523	B-2	IC3691	B-1	Connectors	
Q3511	C-2	QR3524	B-2	IC4301	C-5		
Q3512	C-2	QR3601	B-2	IC4302	B-5	FP6001	F-6
Q3513	B-2	QR4381	D-6	IC4321	C-5	FP6002	F-1
Q3551	D-3	QR4591	E-1	IC4322	B-5	PP1101	B-1
Q3561	B-3	QR4592	E-2	IC4341	C-6	PP3201	C-1
Q3571	C-2	QR4593	E-2	IC4361	C-6	PP3801	A-2
Q3601	B-2	QR4594	D-2	IC4362	C-6	PP4201	C-4
Q3602	C-3	QR4595	E-2	IC4701	B-4	JK3541	A-3
Q3603	B-3	QR6001	F-4	IC4751	B-6	JK3591	A-1
Q4381	C-6	QR6002	F-4	IC4752	B-6	JK4501	A-5
Q4501	A-4	QR6003	F-5	IC4781	A-6	JK4502	A-5
Q4502	B-5	QR6004	F-5	IC4901	F-6	JK4771	A-6
Q4511	A-5	QR6008	D-1	IC6001	F-3		
Q4512	B-5	QR6009	E-2	IC6002	F-2		
Q4521	A-5			IC6003	F-1		
Q4531	A-5			IC6004	E-3		
Q4541	A-5			IC6005	E-3		
Q4551	A-5						
Q4561	A-6						
Q4571	A-6						
Q4901	E-6						
Q4911	E-6						
Q4912	E-6						
Q4913	E-6						
Q4921	E-5						
Q4931	D-6						
Q6009	D-1						

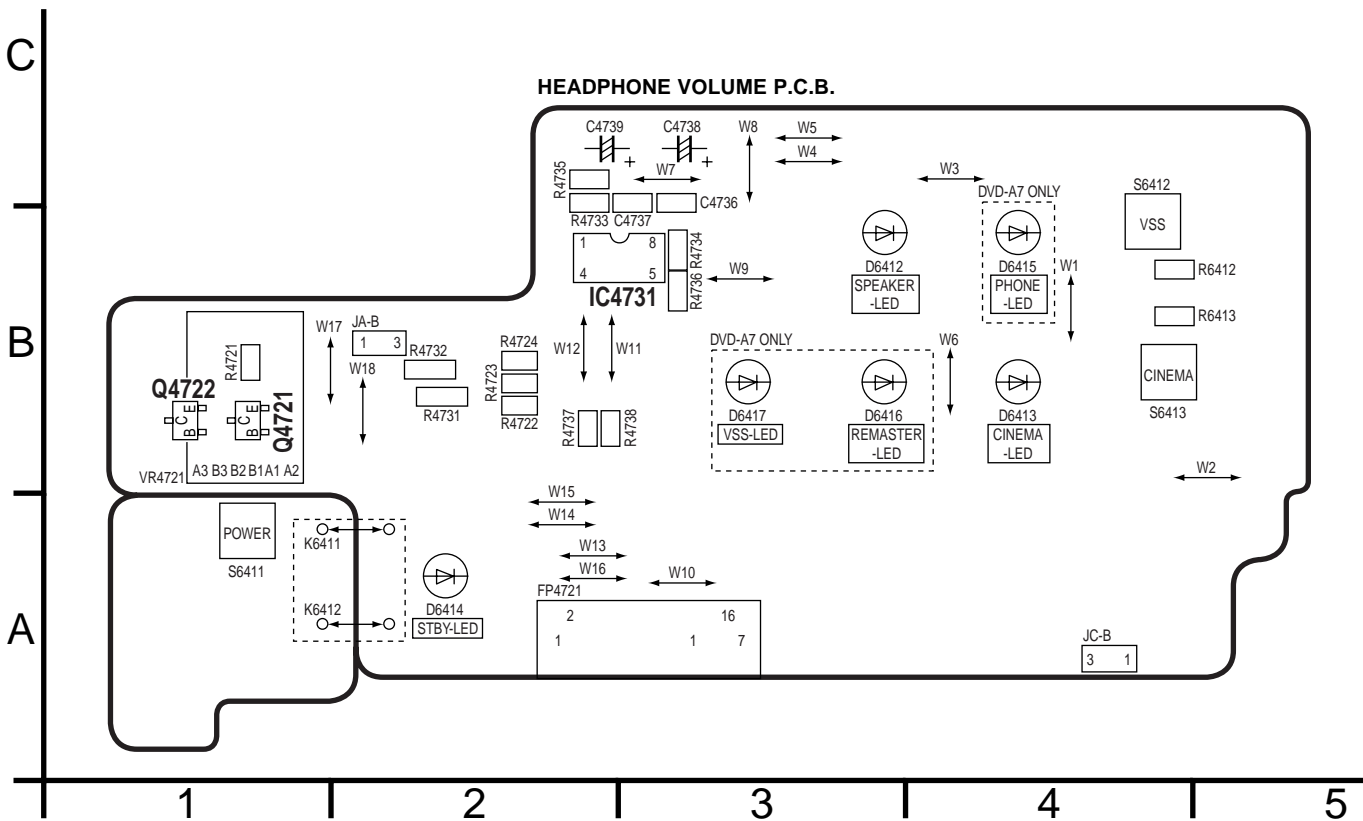
ADDRESS INFORMATION



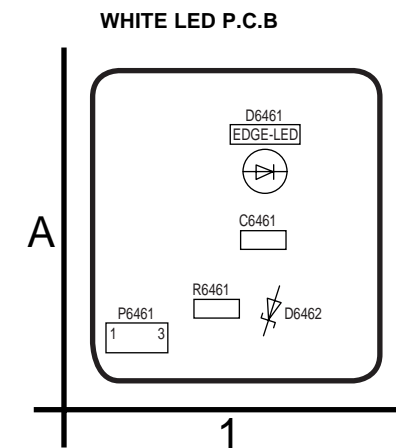
FRONT SWITCH P.C.B.	
Connectors	
FP6401	A- 3
JB-B	A- 2

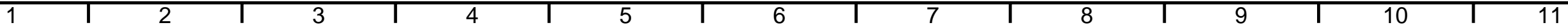


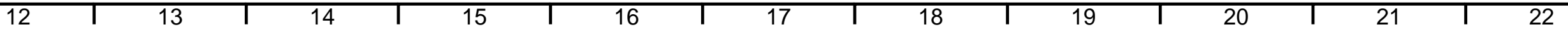
HEADPHONE JACK P.C.B.	
Connectors	
FL4741	A- 1
FL4742	A- 2
FL4743	A- 2
JA-A	A- 2
JK4741	B- 2

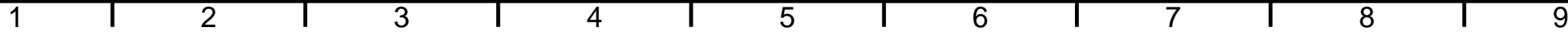


HEADPHONE VOLUME P.C.B.	
Transistors	
Q4721	B- 1
Q4722	B- 1
Integrated Circuit	
IC4731	B- 2
Connectors	
FP4721	A- 2
JA-B	B- 2
JC-B	A- 4

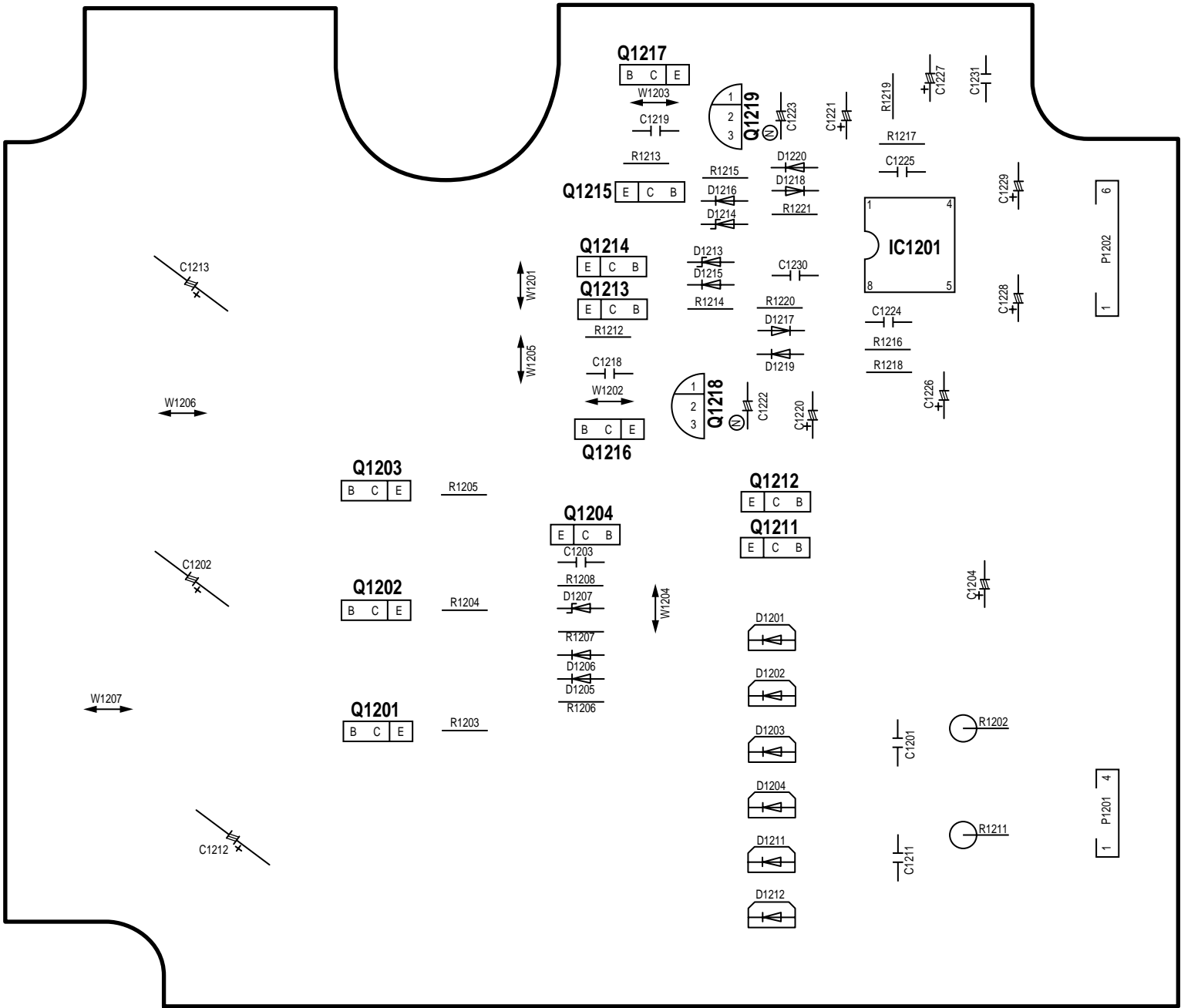






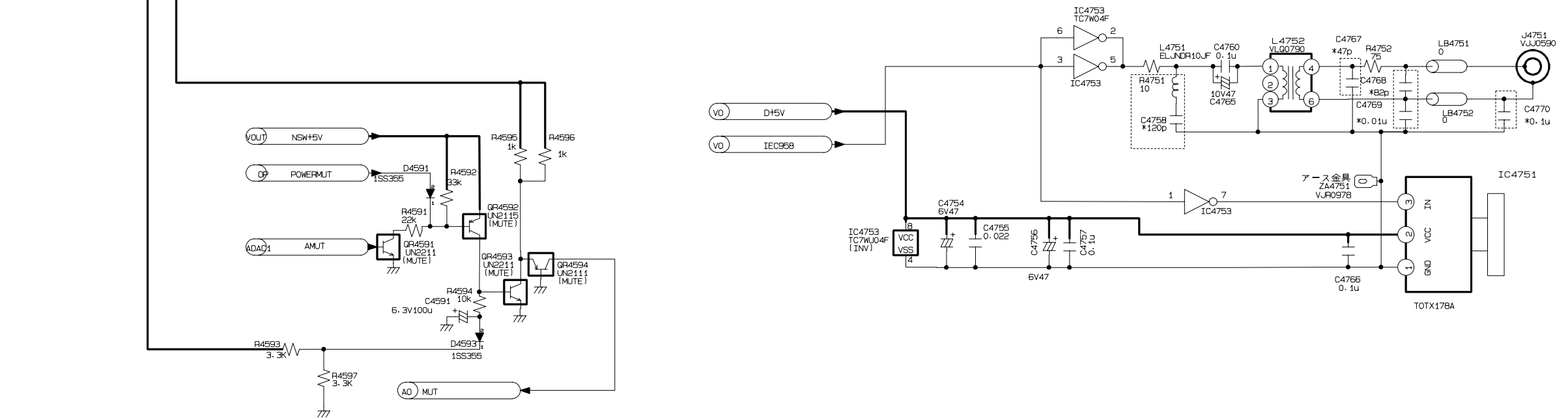
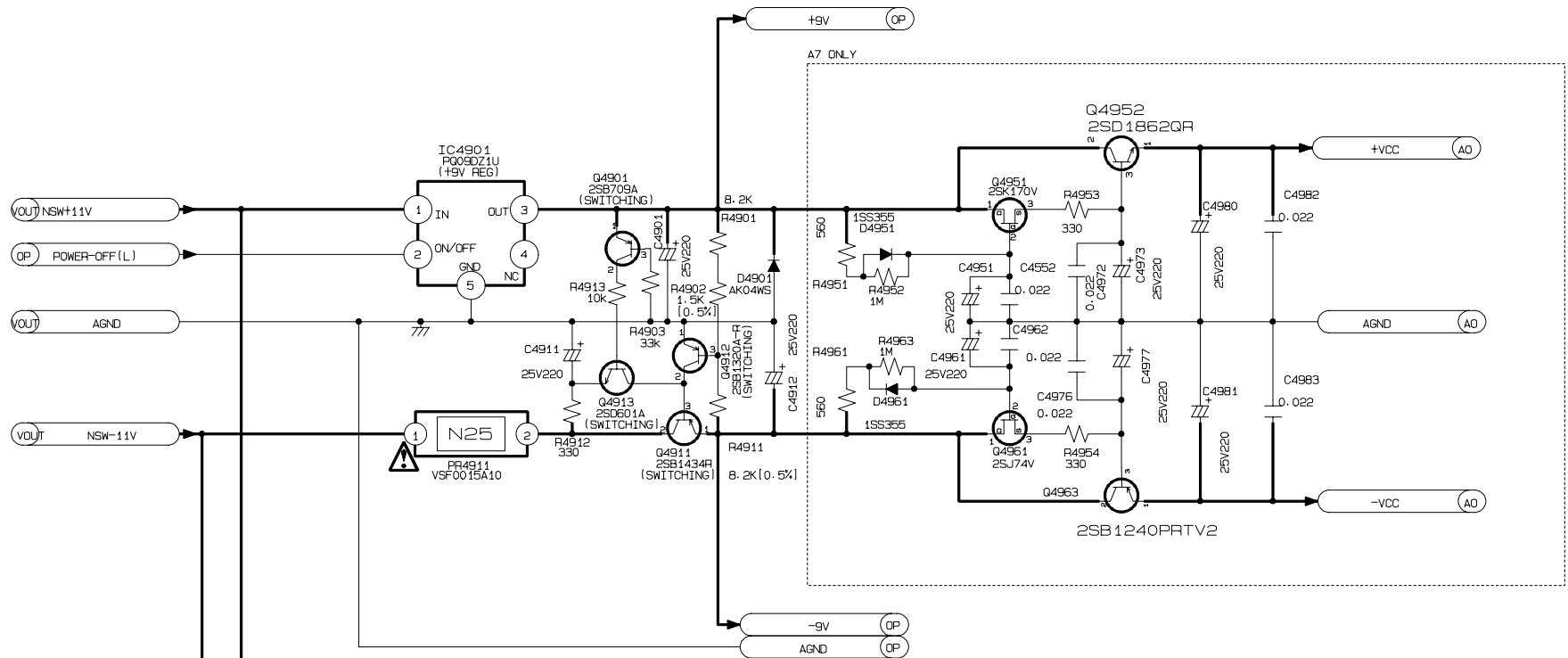


R-CORE P.C.B.



R-CORE P.C.B.	
Transistors	
Q1201	B-2
Q1202	C-2
Q1203	C-2
Q1204	C-3
Q1211	C-4
Q1212	C-4
Q1213	D-3
Q1214	D-3
Q1215	D-3
Q1216	C-3
Q1217	E-4
Q1218	C-4
Q1219	E-4
Integrateed Circuit	
IC1201	D-5
Connectors	
P1201	B-6
P1202	D-6

G
F
E
D
C
B
A



G

F

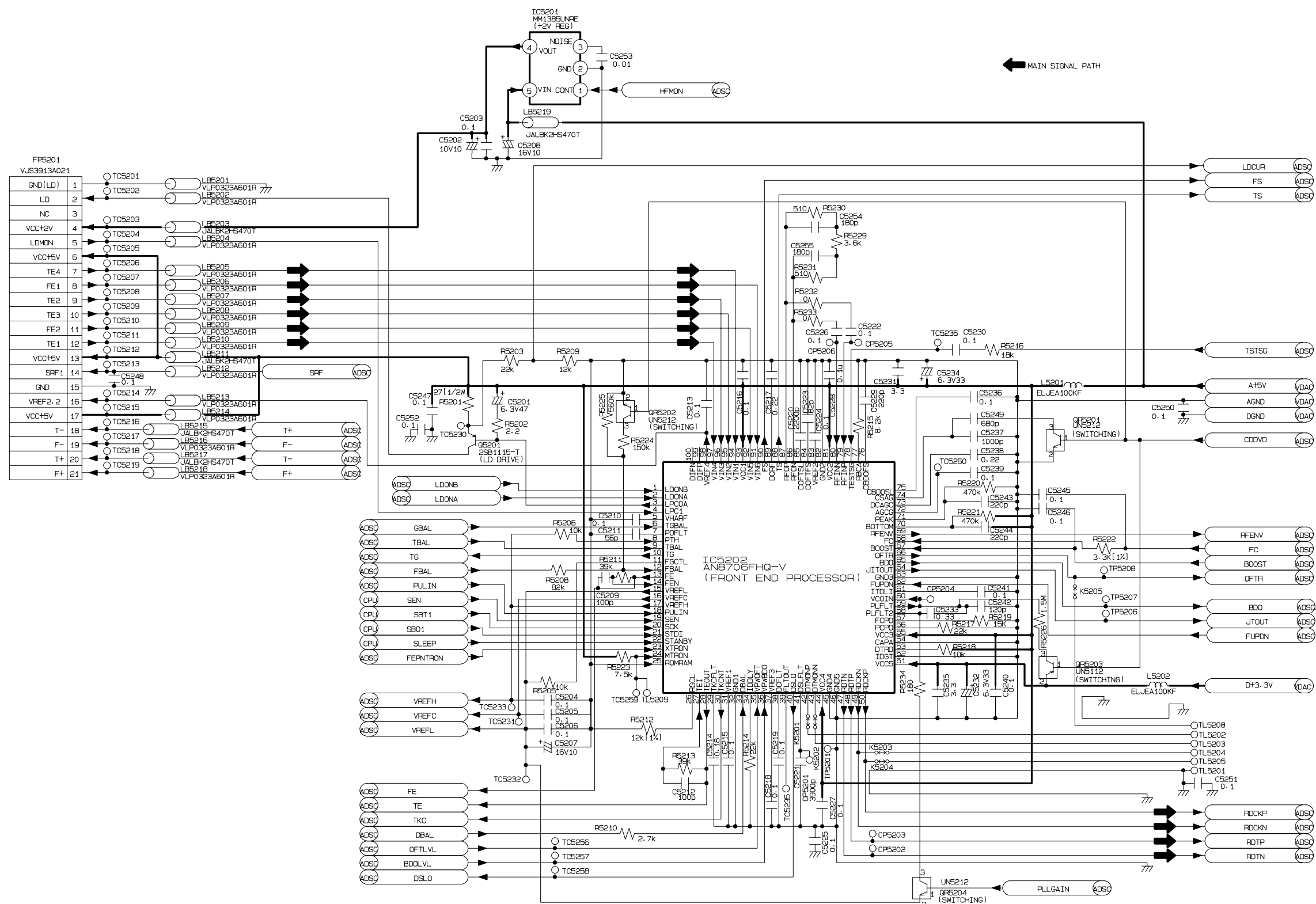
E

D

C

B

A



1

2

3

4

5

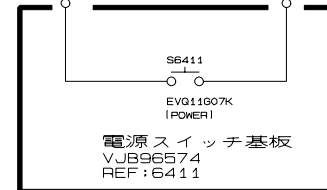
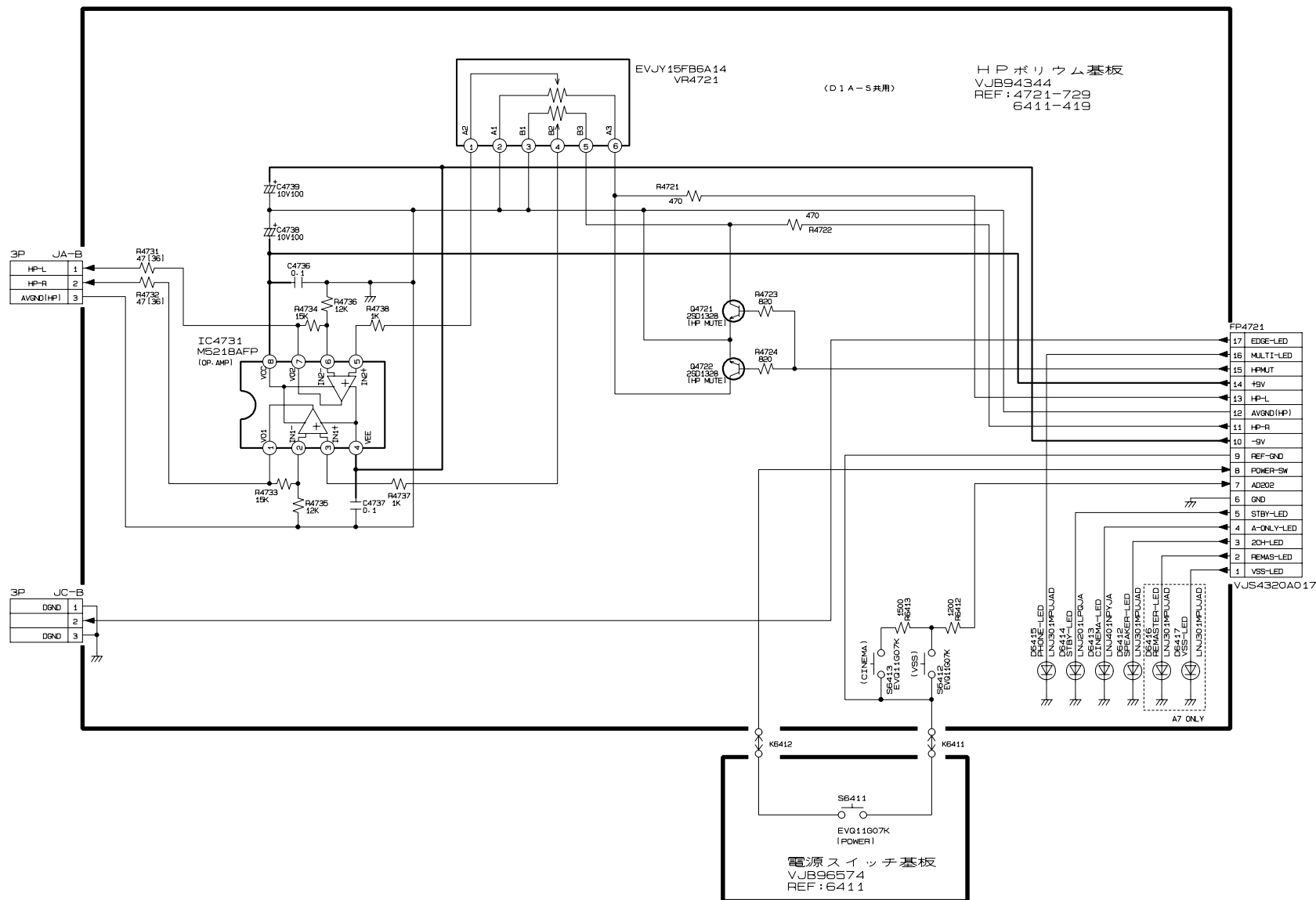
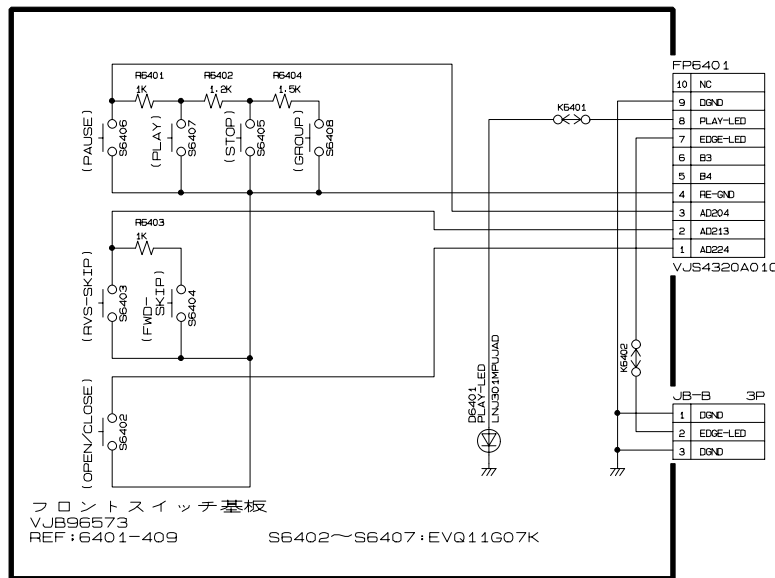
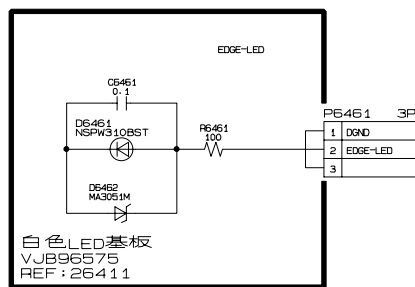
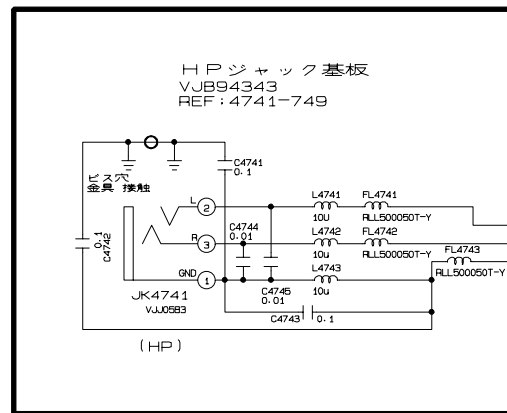
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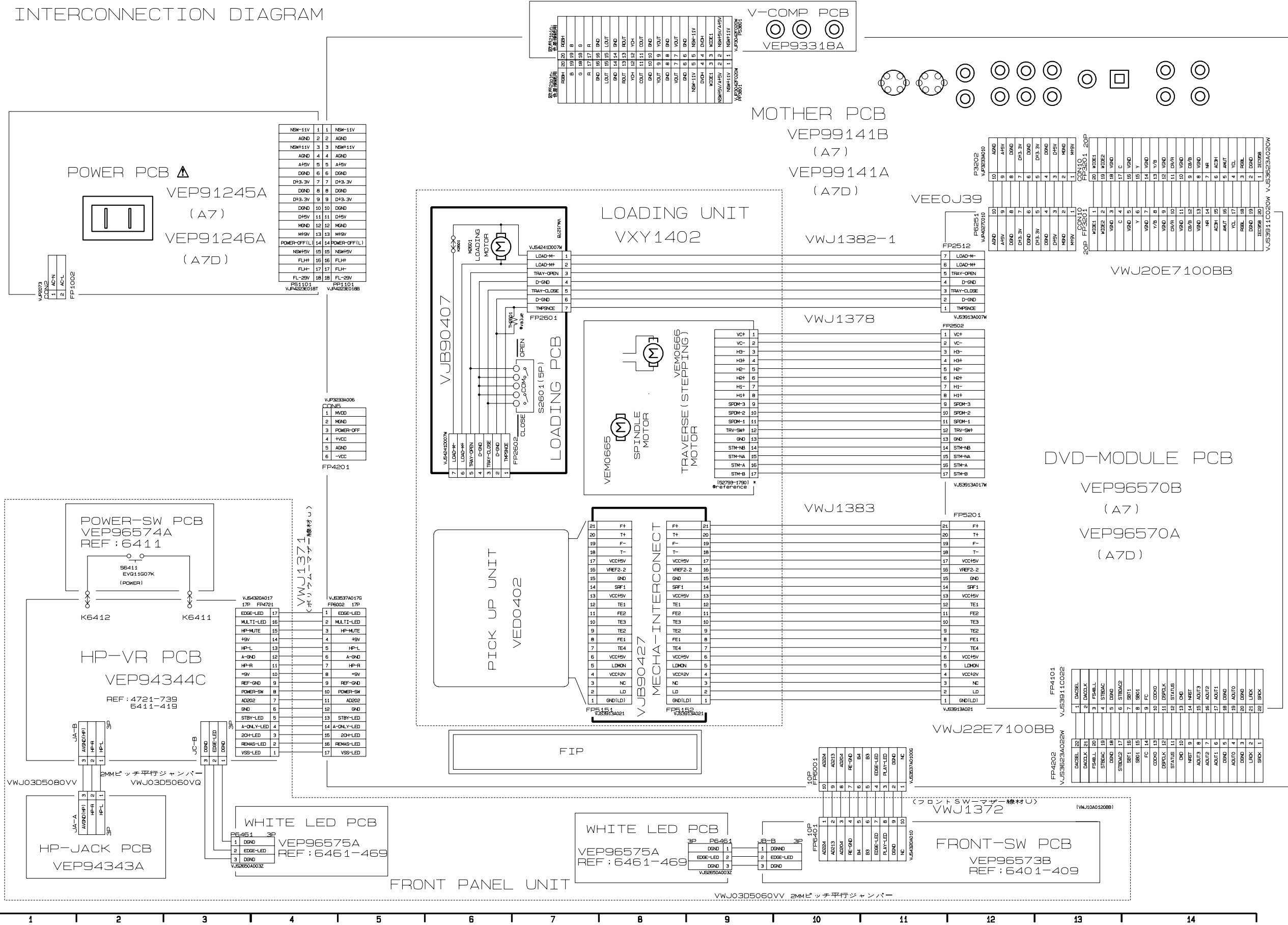


The diagram illustrates the interconnection of various PCBs and components. Key components include:

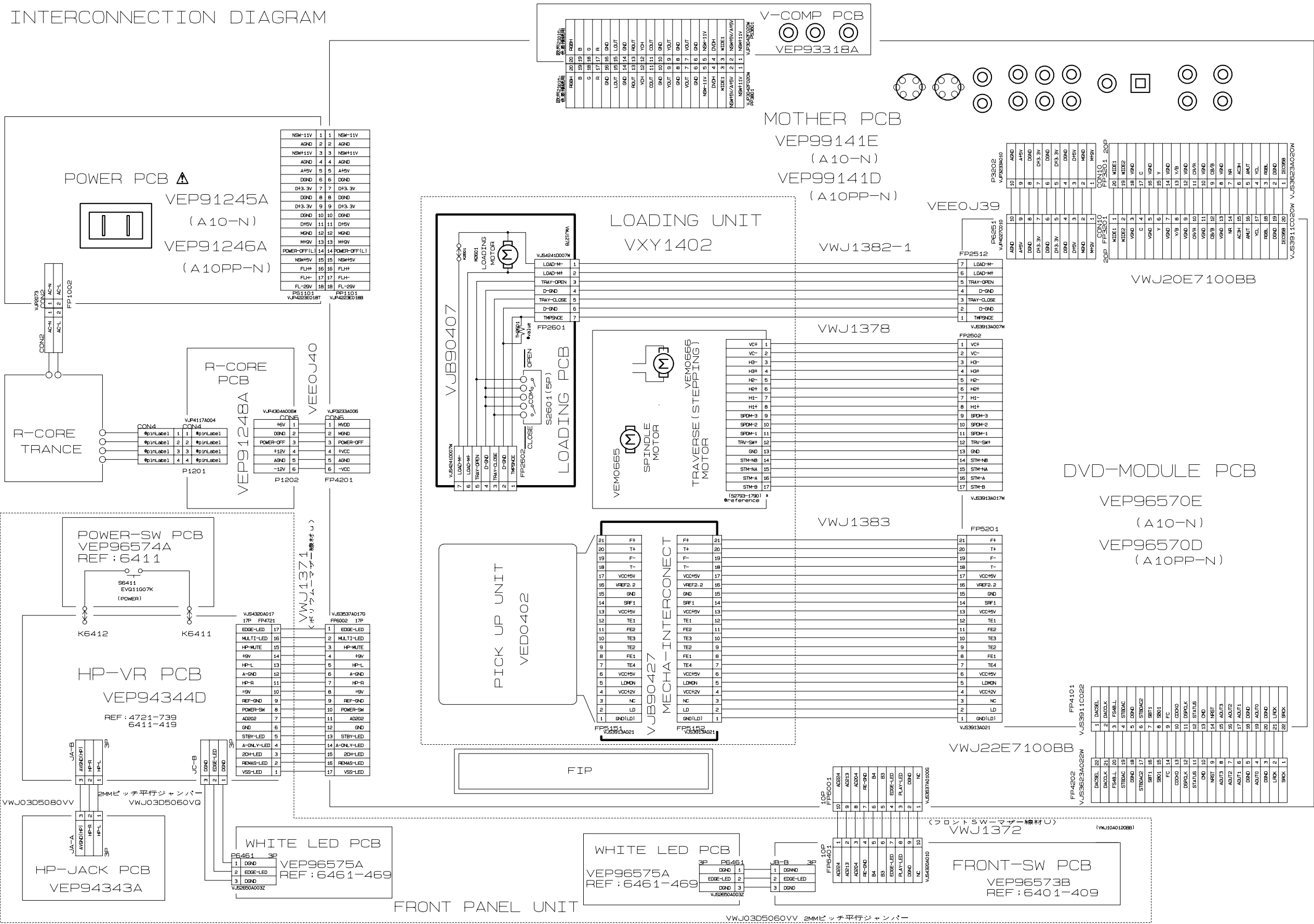
- POWER PCB** (VEP91245A, VEP91246A): Provides power to the system.
- MOTHER PCB** (VEP99141B, VEP99141A): The main control unit.
- LOADING UNIT** (VXY1402): Contains the loading mechanism.
- DVD-MODULE PCB** (VEP96570B, VEP96570A): Controls the DVD drive.
- HP-JACK PCB** (VEP94343A): Connects to the HP jack.
- HP-VR PCB** (VEP94344C): Controls the HP VR.
- WHITE LED PCB** (VEP96575A, VEP96573B): Controls the white LEDs.
- FRONT-SW PCB** (VEP96573B): Controls the front panel switches.
- PICK UP UNIT** (VEDO402): The optical pickup unit.
- LOADING PCB** (VJB90407): Controls the loading mechanism.
- MECHA-INTERCONNECT** (VJB90427): Connects the mechanical components.
- SPINDLE MOTOR** (VEM0665): The motor for the disc.
- TRAVERSE (STEPPING) MOTOR** (VEM0666): The motor for the traverse.
- POWER-SW PCB** (VEP96574A): Controls the power switch.
- WHITE LED PCB** (VEP96575A): Controls the white LEDs.
- FRONT-SW PCB** (VEP96573B): Controls the front panel switches.

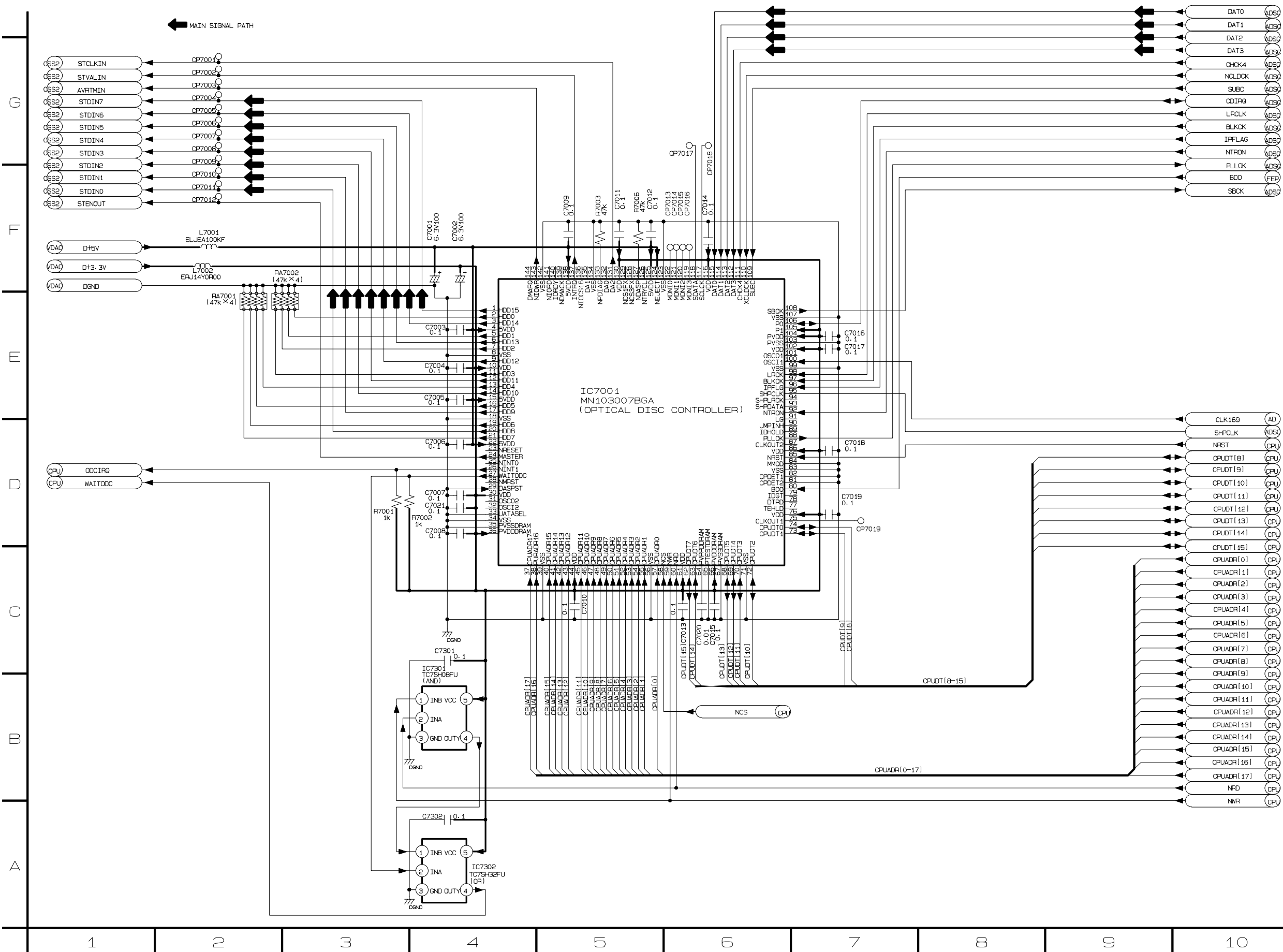
The diagram shows the following connections:

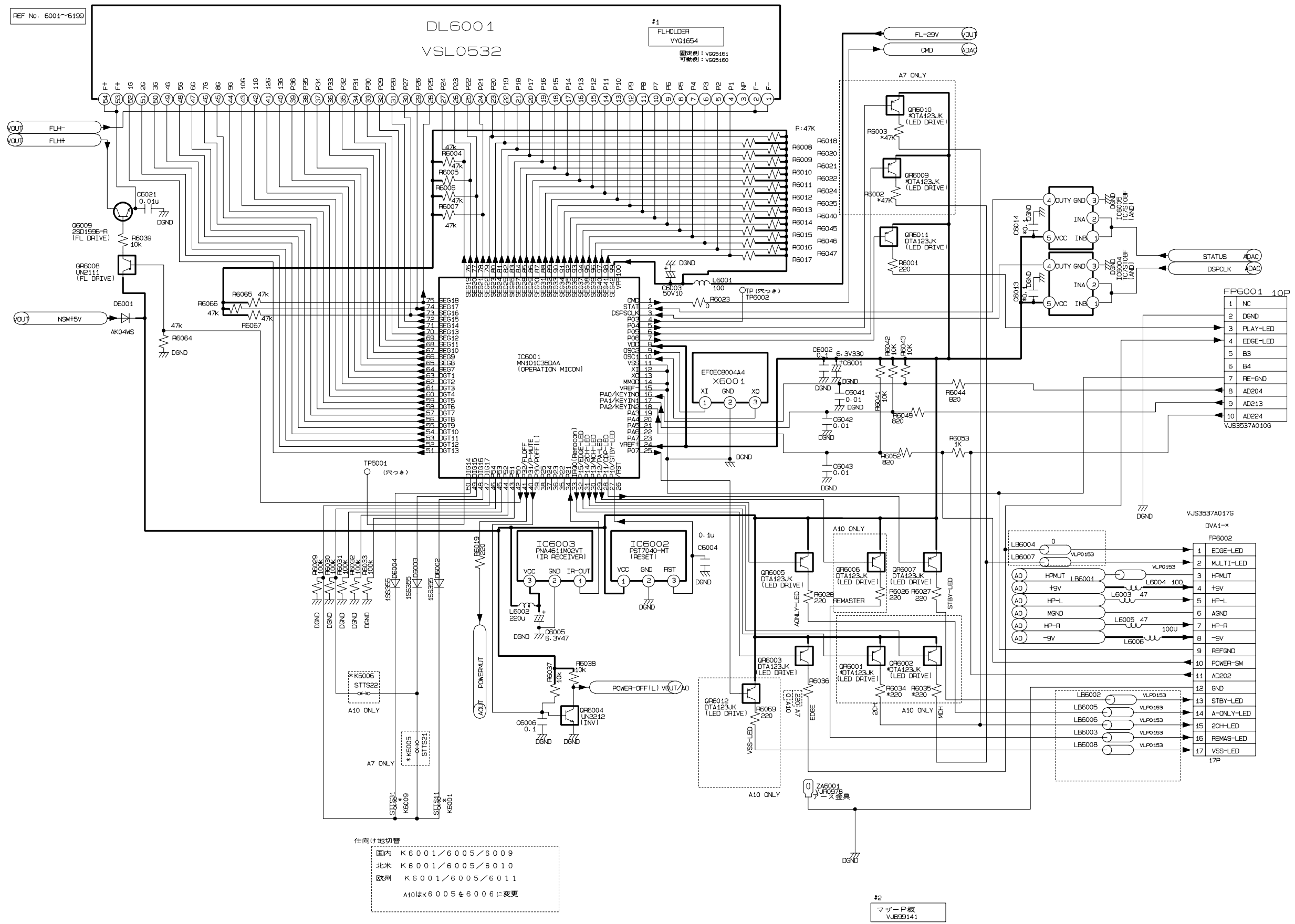
- POWER PCB** to **MOTHER PCB** via **VEP91245A** and **VEP91246A**.
- MOTHER PCB** to **LOADING UNIT** via **VXY1402**.
- MOTHER PCB** to **DVD-MODULE PCB** via **VEP96570B** and **VEP96570A**.
- MOTHER PCB** to **HP-JACK PCB** via **VEP94343A**.
- MOTHER PCB** to **HP-VR PCB** via **VEP94344C**.
- MOTHER PCB** to **WHITE LED PCB** via **VEP96575A** and **VEP96573B**.
- MOTHER PCB** to **FRONT-SW PCB** via **VEP96573B**.
- LOADING UNIT** to **PICK UP UNIT** via **VEDO402**.
- LOADING UNIT** to **LOADING PCB** via **VJB90407**.
- LOADING PCB** to **MECHA-INTERCONNECT** via **VJB90427**.
- MECHA-INTERCONNECT** to **SPINDLE MOTOR** and **TRAVERSE (STEPPING) MOTOR**.
- POWER-SW PCB** to **MOTHER PCB** via **VEP96574A**.
- WHITE LED PCB** to **MOTHER PCB** via **VEP96575A** and **VEP96573B**.
- FRONT-SW PCB** to **MOTHER PCB** via **VEP96573B**.



INTERCONNECTION DIAGRAM







REF No. 6001~6199

DL6001
VSL0532

#1
FLH01654
固定値: VGG5151
可動値: VGG5150

#2
マザーP板
VJB99141

VOUT
FLH-
FLH+

FL-29V
CMD
VOUT
QDAC

STATUS
QDAC
DSPCLK
QDAC

FP6001 10P

1	NC
2	DGND
3	PLAY-LED
4	EDGE-LED
5	B3
6	B4
7	RE-GND
8	AD204
9	AD213
10	AD224

VJS3537A010G

VJS3537A017G
DVA1~*

FP6002

1	EDGE-LED
2	MULTI-LED
3	HPMUT
4	+9V
5	HP-L
6	AGND
7	HP-R
8	-9V
9	REFGND
10	POWER-SW
11	AD202
12	GND
13	STBY-LED
14	A-ONLY-LED
15	2CH-LED
16	REMAS-LED
17	VSS-LED

17P

- 1
2
3
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8
9

9 P
△

仕向け地切替

国内	K6001/6005/6009
北米	K6001/6005/6010
欧州	K6001/6005/6011

A10はK6005をK6006に変更

MECHA UNIT

OPTICAL
PICK UP
UNIT

SPINDLE
MOTOR

LOADING
MOTOR

STEPPING
MOTOR

FOCUS
MOTOR

TRACKING
MOTOR

MODULE C.B.A.

IC5202

FRONT
END
PROCESSOR
(FEP)

IC5201

SPINDLE
MOTOR
DRIVE

IC2511

4 ch
MOTOR
DRIVE

IC2001

DIGITAL
SERVO
CONTROLLER
(DSC)

IC7001

OPTICAL
DISC
CONTROLLER
(ODC)

16.9MHz

IC6302
?M FLASH
ROM

IC6302

GATE
ARRAY

IC6201

MAIN
CPU

IC3001

AV
DECODER
(AV DEC)

IC6001

SUB CPU

FL

OSD

LED

REMOCON

KEY

IC3071

16BIT
SRAM

MOTHER C.B.A.

IC4252

AUDIO
D/A
CONVERTER

FL

FR

IC4253

AUDIO
D/A
CONVERTER

SL

SR

IC4254

AUDIO
D/A
CONVERTER

CNT

SW

IC4206

AUDIO
D/A
CONVERTER

L

R

HP

IC3531

VIDEO
DRIVER

VIDEO OUT

Y

C

S-VIDEO OUT

IC3201

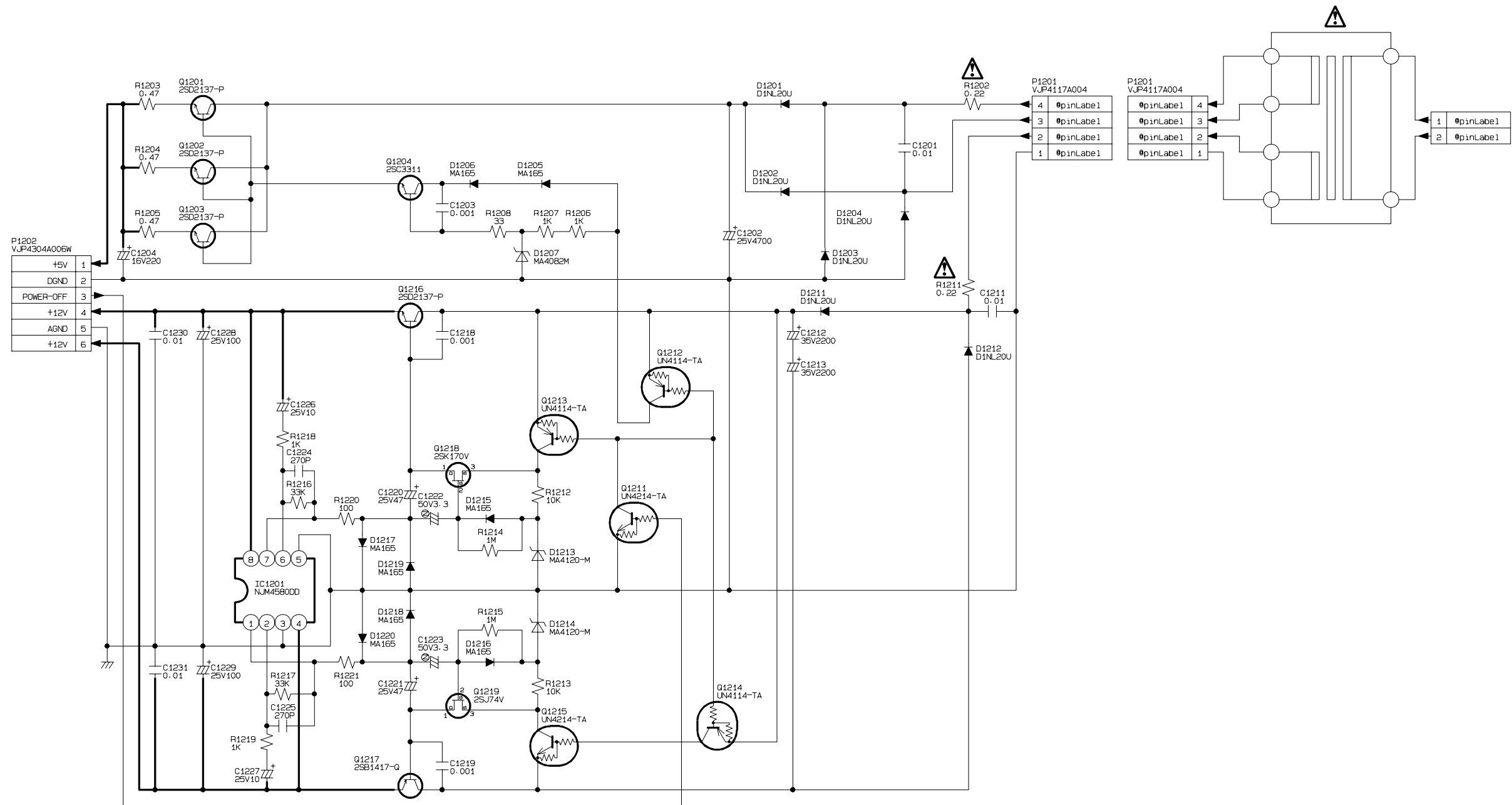
AUDIO
D/A
CONVERTER

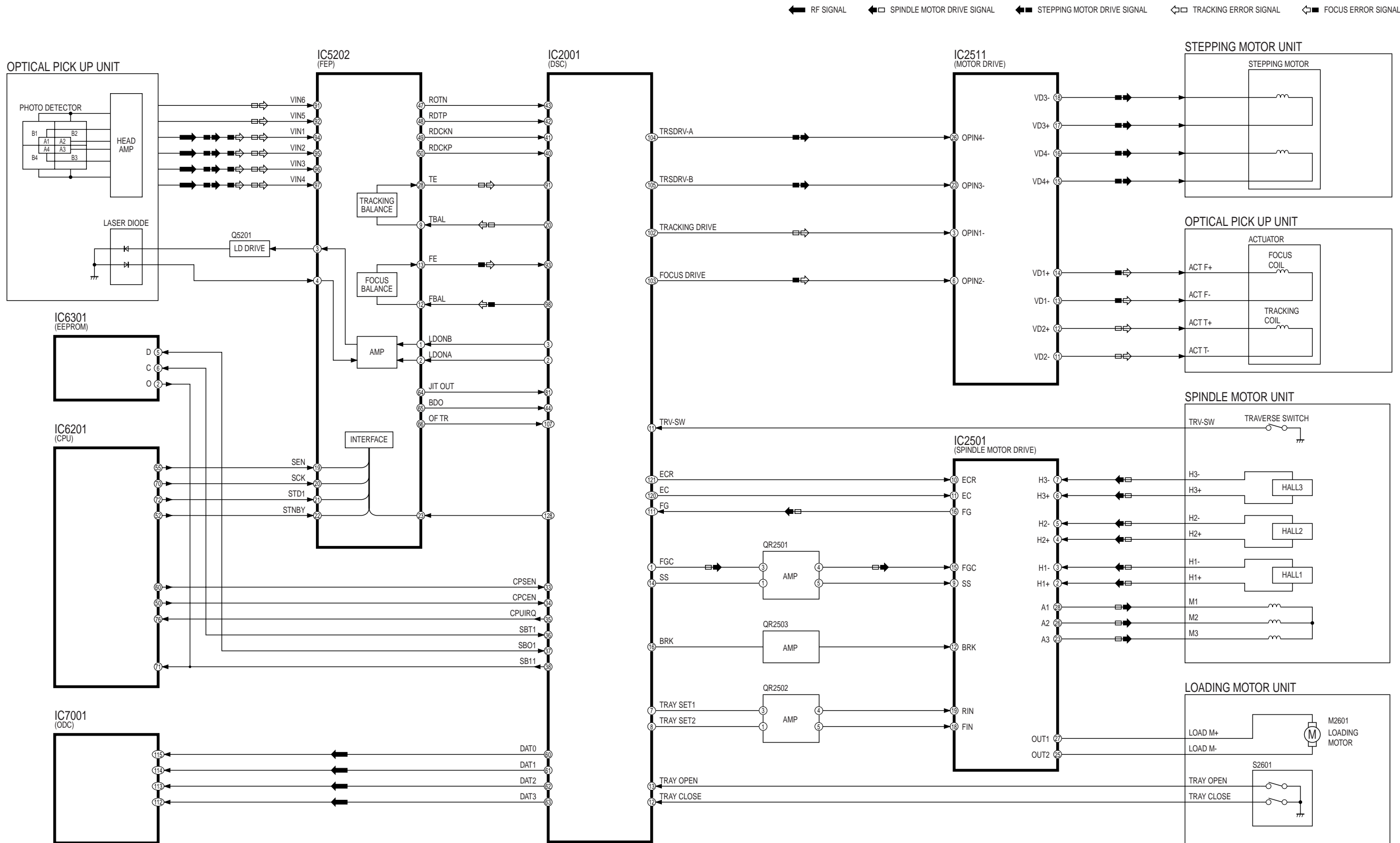
Y(G)

CB(B)

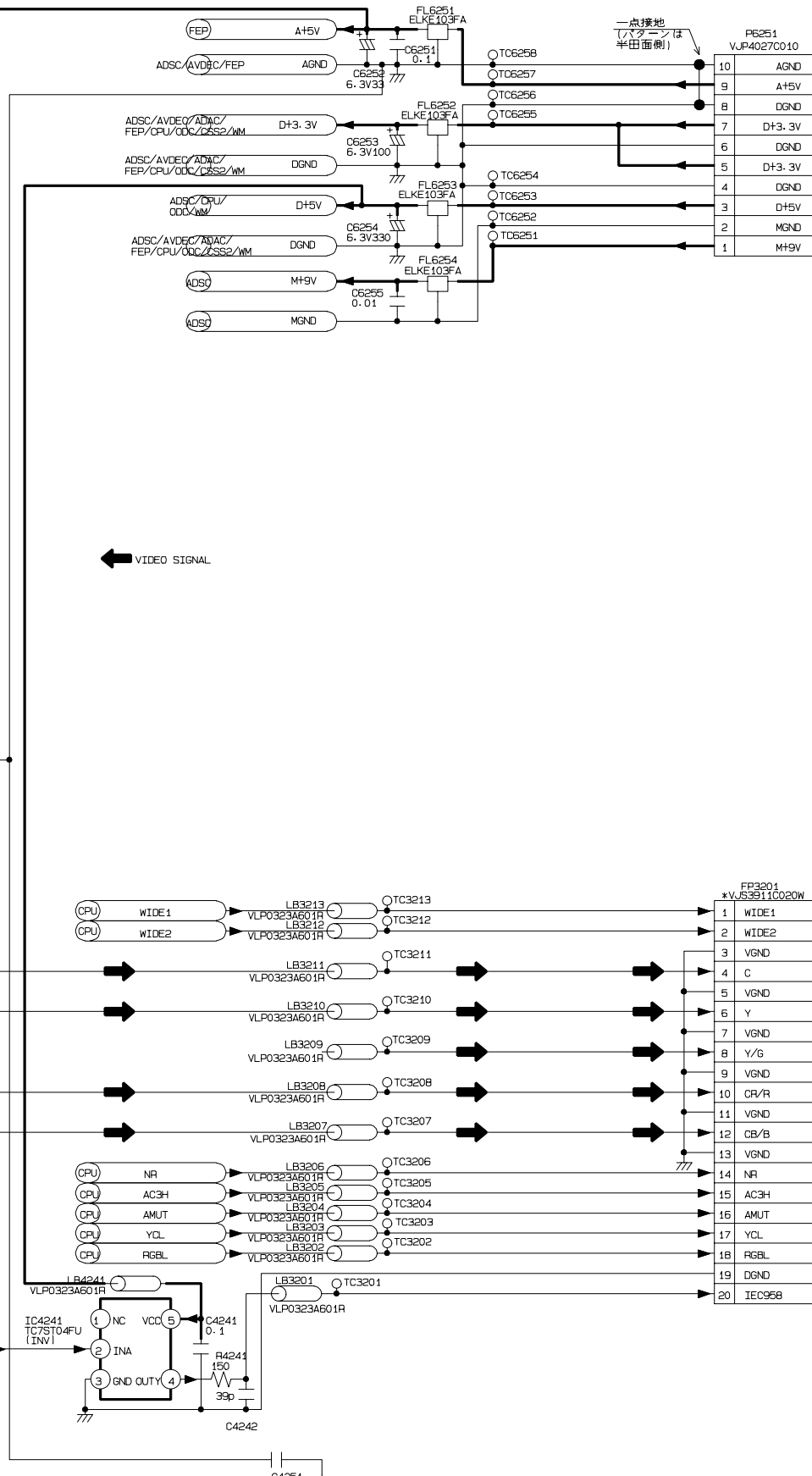
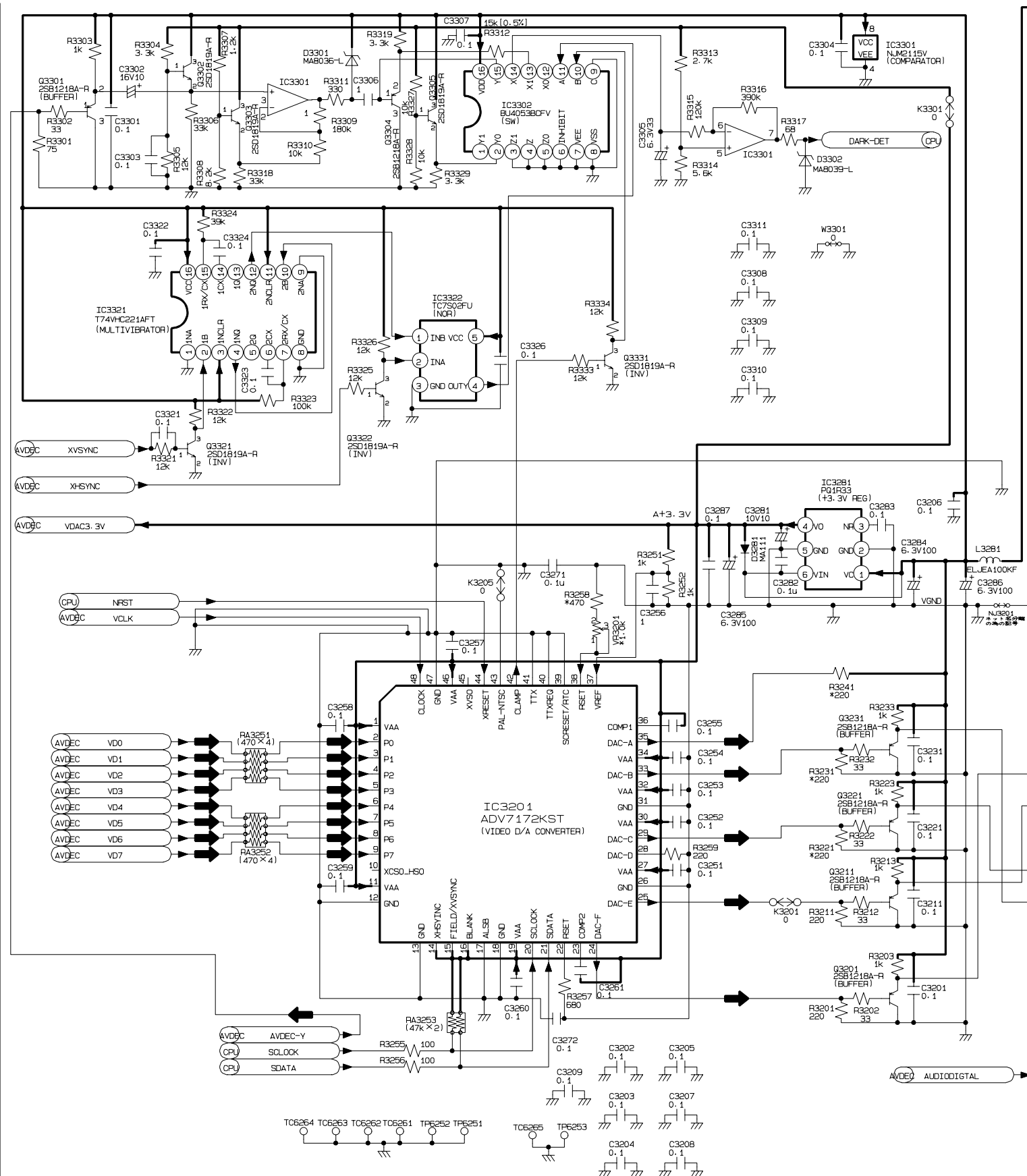
CR(R)

F
E
D
C
B
A





G
F
E
D
C
B
A

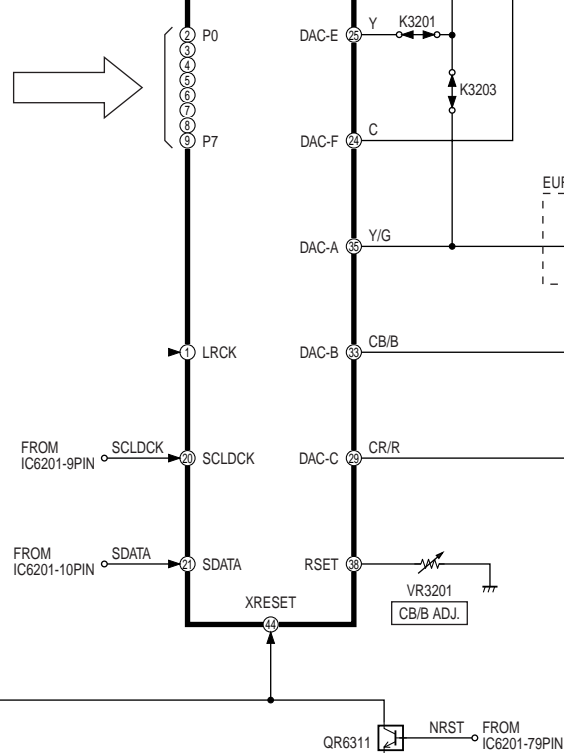


IC3001
(AV DECODER)

VD0 (148)
(149)
(150)
(151)
(152)
(153)
(154)
(155)
VD7



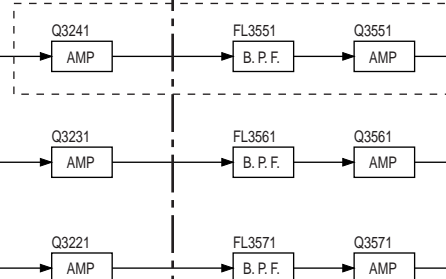
IC3201
(VIDEO D/A CONVERTER)



MODULE C. B. A.

MOTHER C. B. A.

EUROPE MODEL ONLY



Q3211
AMP

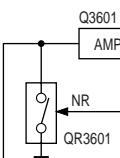
FL3501
L. P. F.

Q3501
AMP

Q3502
AMP

Y ADJ.
VR3501

Q3503
AMP



Q3603
AMP

IC3531
(VIDEO DRIVER)

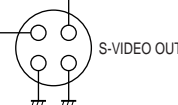
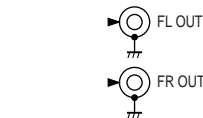
Y

YOUT

VOUT

C

COUT



FROM IC6211-8PIN

WIDE1



FROM IC6211-9PIN

WIDE2



VIDEO COMPONENT C. B. A.

IC3581
(VIDEO AMP)

INA

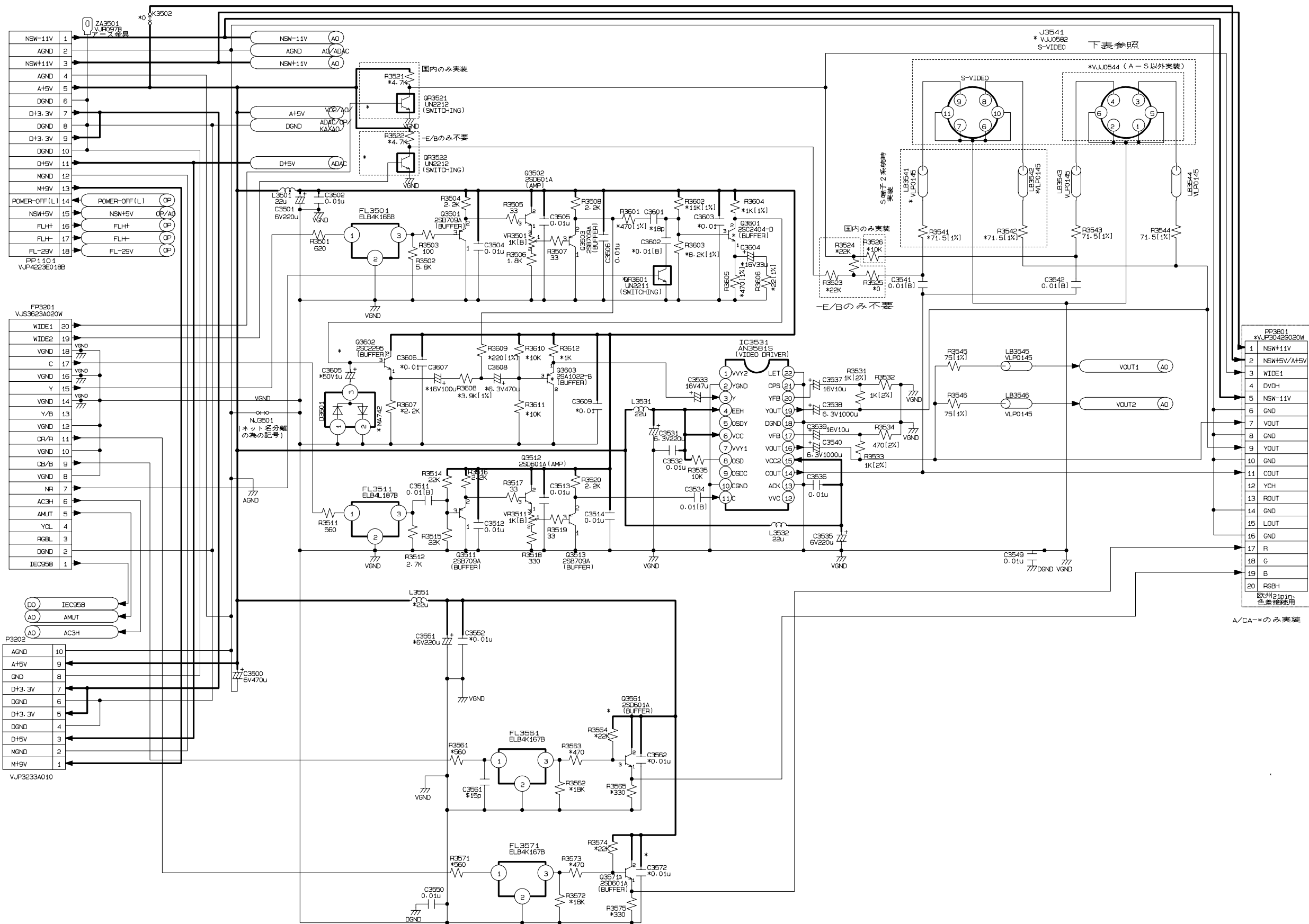
INB

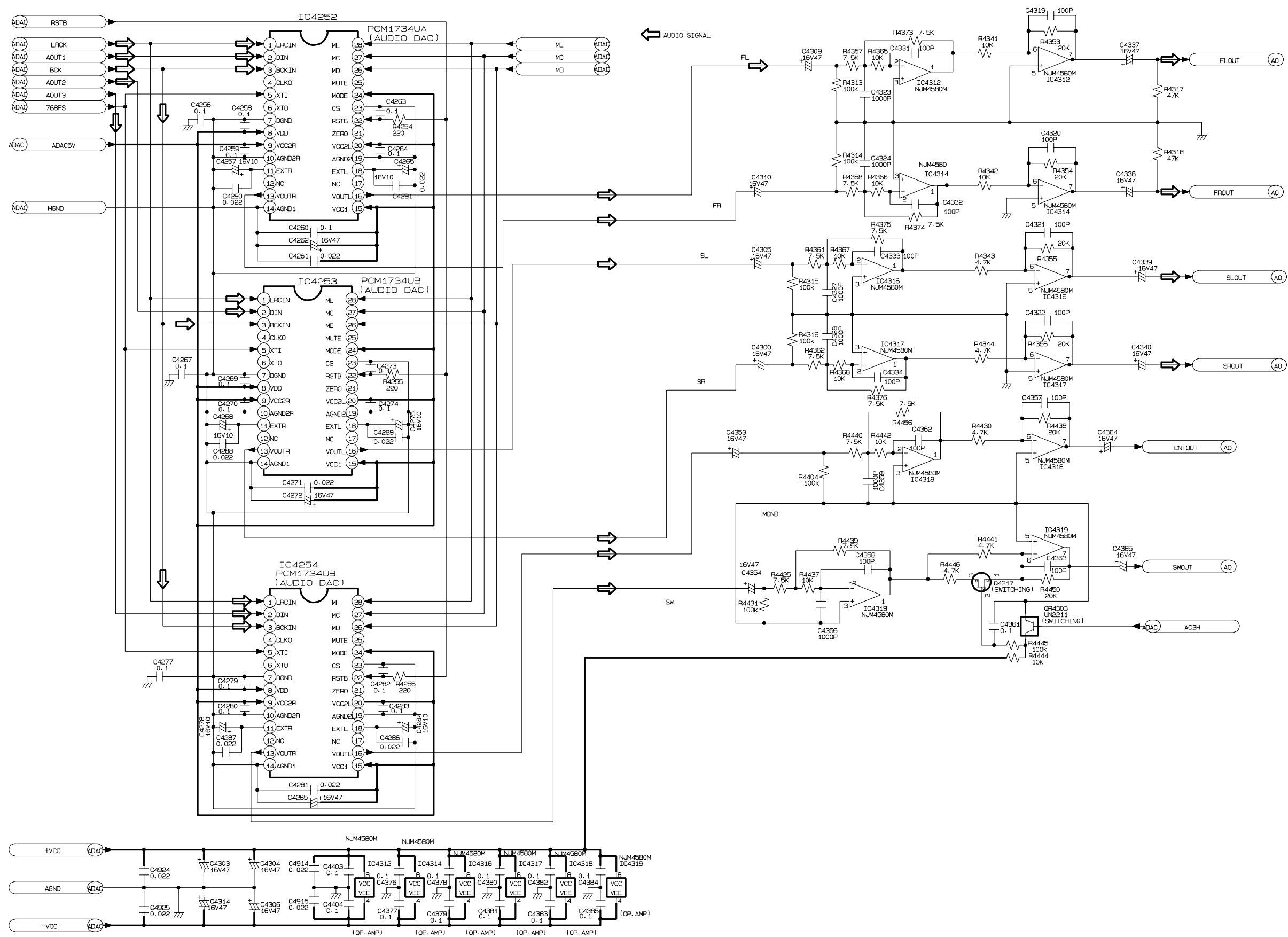
INC

DUTB

DUTC



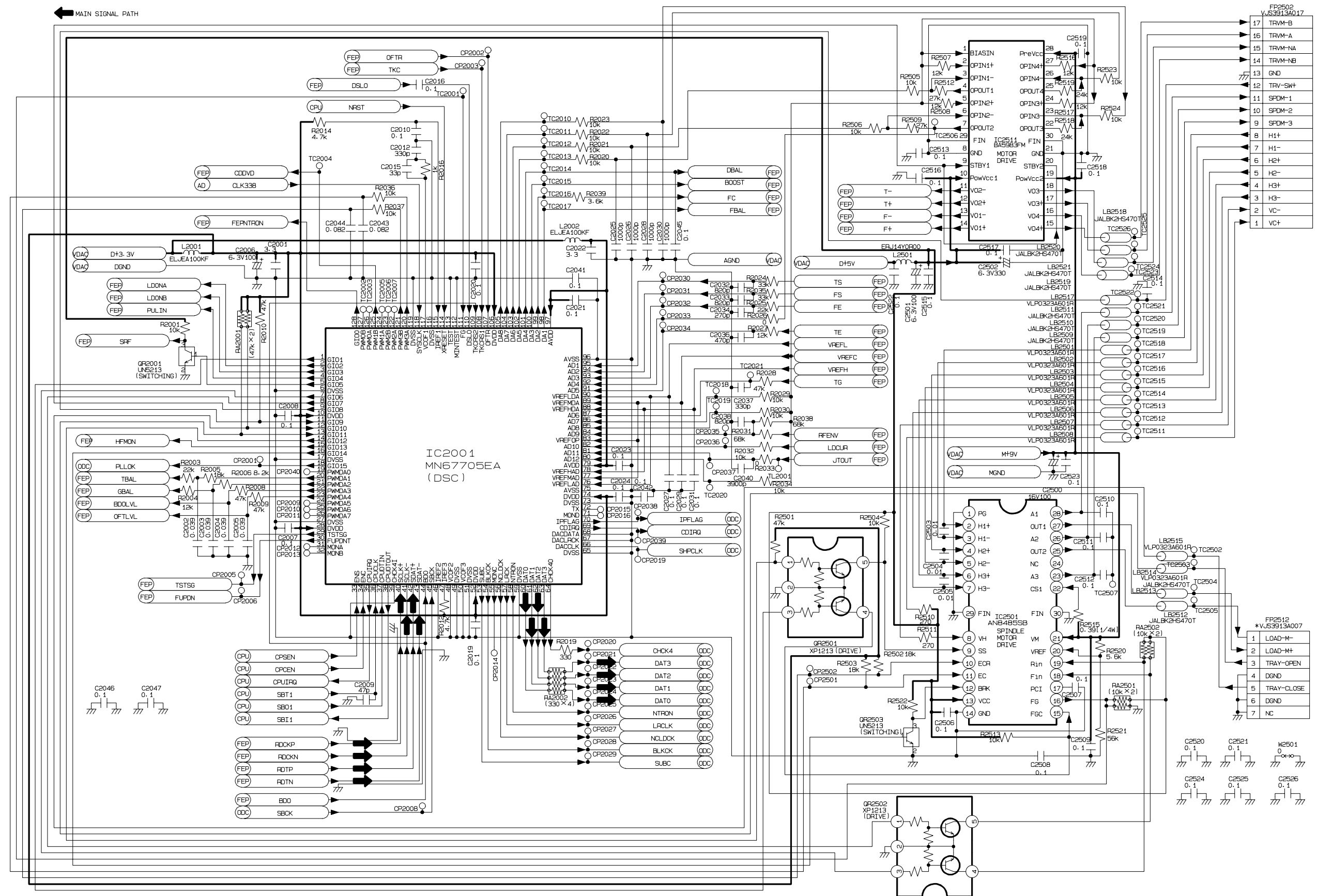






G
F
E
D
C
B
A

MAIN SIGNAL PATH

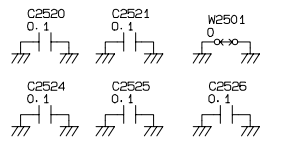


FP2502
VJ53913A017

17	TRVM-B
16	TRVM-A
15	TRVM-NA
14	TRVM-NB
13	GND
12	TRV-SW+
11	SPDM-1
10	SPDM-2
9	SPDM-3
8	H1+
7	H1-
6	H2+
5	H2-
4	H3+
3	H3-
2	VC-
1	VC+

FP2512
*VJ53913A007

1	LOAD-M-
2	LOAD-M+
3	TRAY-OPEN
4	DGND
5	TRAY-CLOSE
6	DGND
7	NC



G

F

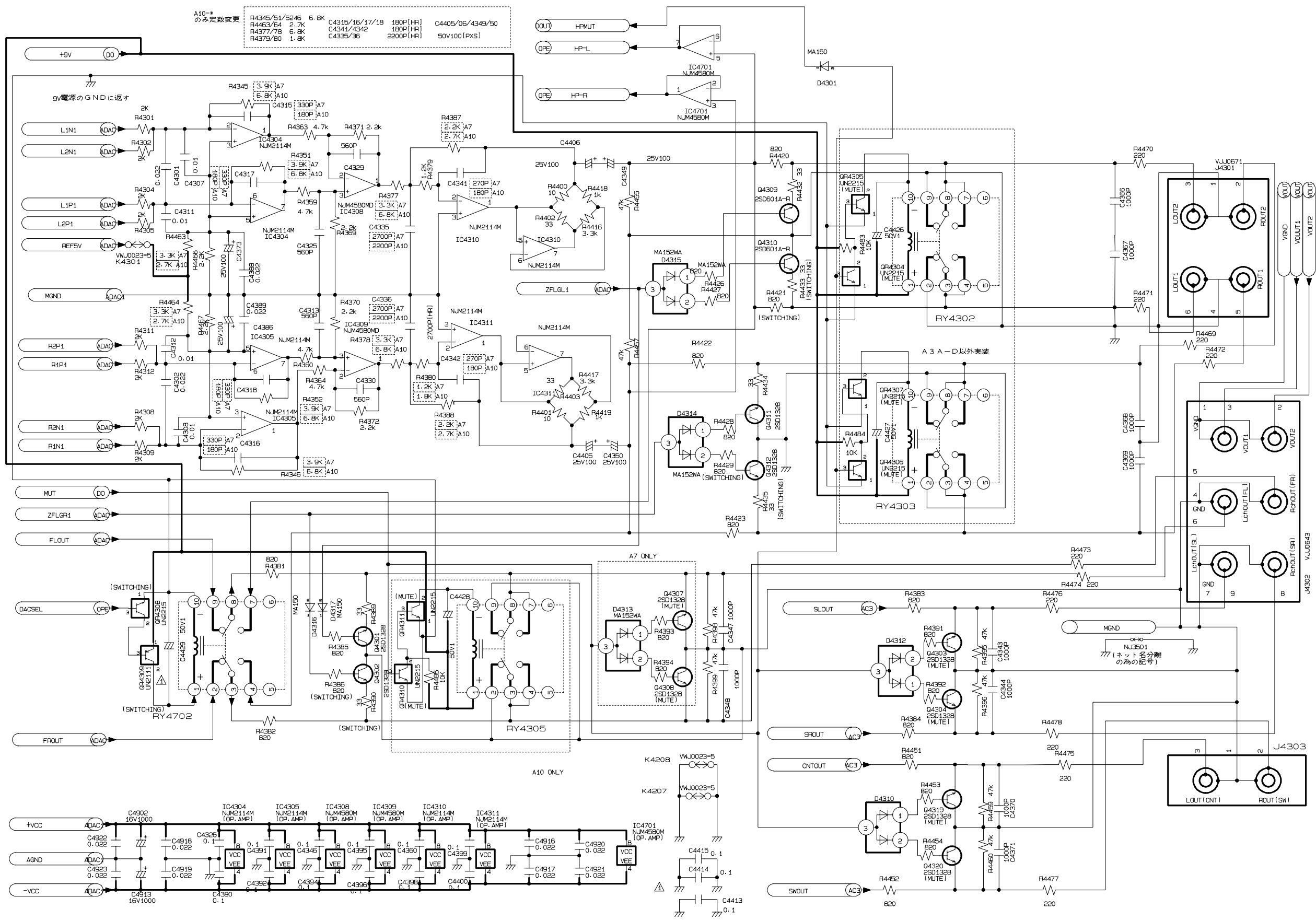
E

D

C

B

A



A10-※
のみ定数変更

R4345/51/52/46	6.8k	C4315/16/17/18	180p[HR]	C4405/06/4349/50	
R4463/64	2.7k	C4341/4342	180p[HR]		
R4377/78	6.8k	C4335/36	2200p[HR]	50V100[PKS]	
R4379/80	1.8k				

1

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